GI	none	Score	.61
Exons	4990..5444, 8349..8466, 10708..10813, 10864..10907, 12371..12679, 12786..13382		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8154	Strand	+
Start	4990	End	14978
Name	OJ990312_11.9819.C7.o2.np	Method	AAT/NAP
Start	12444	End	14814
GI	3337367	Score	958
Exons	12444..12679, 12786..13330, 13493..13572, 13677..13722, 14039..14277, 14439..14557, 14689..14814		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8154	Strand	+
Start	4990	End	14978
Name	OJ990312_11.9819.C7.o3.gs	Method	GENSCAN
Start	14088	End	14978
GI	none	Score	.83
Exons	14088..14277, 14439..14557, 14689..14806, 14866..14978		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8155	Strand	+
Start	22357	End	25540
Name	OJ990312_11.9819.C7.o4.np	Method	AAT/NAP
Start	22357	End	25463
GI	5091513	Score	635
Exons	22357..22461, 24849..25463		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8155	Strand	+
Start	22357	End	25540
Name	OJ990312_11.9819.C7.o6.gs	Method	GENSCAN
Start	22754	End	25540
GI	none	Score	.45
Exons	22754..22836, 24019..24140, 24792..25540		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8156	Strand	-
Start	6480	End	7031
Name	OJ990312_11.9819.C7.o1.gp	Method	AAT/GAP
Start	6480	End	7031
GI	4879016	Score	797
Exons	6480..7031		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8157	Strand	-
Start	14837	End	15235
Name	OJ990312_11.9819.C7.o2.gp	Method	AAT/GAP
Start	14837	End	15235
GI	1036889	Score	426
Exons	14837..15235		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8158	Strand	-
Start	18026	End	21319
Name	OJ990312_11.9819.C7.o3.np	Method	AAT/NAP
Start	18026	End	20467
GI	4680203	Score	504
Exons	18026..18049, 19233..19957, 20234..20467		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8158	Strand	-
Start	18026	End	21319
Name	OJ990312_11.9819.C7.o5.gs	Method	GENSCAN
Start	19044	End	21319
GI	none	Score	.6
Exons	19044..19476, 19617..20103, 20539..20614, 21050..21142, 21191..21319		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	2762	End	14276
GI	none	Score	140
Exons	2762..2986, 2768..3007, 2773..3006, 2862..3008, 14030..14254, 14036..14275, 14037..14276		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	2768	End	14279
GI	none	Score	56
Exons	2768..3010, 2769..2807, 2862..3011, 13497..13580, 13508..13582, 14036..14278, 14037..14279		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	2768	End	14075
GI	none	Score	56
Exons	2768..2815, 2769..2807, 13146..13328, 13149..13328, 13205..13339, 13497..13580, 13508..13579, 13649..13720, 14037..14075		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	12512	End	13126
GI	none	Score	131
Exons	12512..12688, 12514..12687, 12771..12860, 12801..13061, 12936..13061, 13046..13126		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7

Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	12512	End	12884
GI	none	Score	160
Exons	12512..12682, 12521..12595, 12523..12681, 12784..12864, 12789..12884		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	12785	End	13580
GI	none	Score	90
Exons	12785..12835, 12789..12863, 12936..13328, 12945..13061, 13119..13262, 13482..13559, 13485..13580		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	12966	End	13330
GI	none	Score	388
Exons	12966..13328, 12966..13241, 13196..13330		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	19176	End	20356
GI	none	Score	46
Exons	19176..19244, 19194..19262, 19257..19364, 19258..19350, 19368..19472, 19386..19439, 19476..19622, 19493..19615, 19637..20356, 19841..20101		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	19637	End	20065
GI	none	Score	74
Exons	19637..20065, 19841..20029		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	19997	End	20380
GI	none	Score	239
Exons	19997..20311, 20001..20312, 20312..20380		

Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	20603	End	21109
GI	none	Score	70

Exons	20603..20653, 20645..20764, 20651..20770, 20799..20987, 20822..21109		
Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	20822	End	21097
GI	none	Score	96
Exons	20822..21097, 20931..21083		
Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8159	Strand	-
Start	26109	End	26327
Name	OJ990312_11.9819.C7.o7.gs	Method	GENSCAN
Start	26109	End	26327
GI	none	Score	.66
Exons	26109..26197, 26250..26327		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8160	Strand	+
Start	1	End	12496
Name	OJ990312_11.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	6579
GI	5091513	Score	730
Exons	1..36, 1282..1455, 4132..5154, 5747..6053, 6356..6579		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8160	Strand	+
Start	1	End	12496
Name	OJ990312_11.9819.C8.o1.gp	Method	AAT/GAP
Start	1112	End	1655
GI	3548963	Score	950
Exons	1112..1655		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8160	Strand	+
Start	1	End	12496
Name	OJ990312_11.9819.C8.o1.gs	Method	GENSCAN
Start	1119	End	9167
GI	none	Score	.4
Exons	1119..1382, 2094..2148, 2671..2737, 3548..3673, 3996..4704, 4790..4874, 5073..5176, 8245..8293, 8869..9167		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8160	Strand	+
Start	1	End	12496
Name	OJ990312_11.9819.C8.o2.np	Method	AAT/NAP
Start	8981	End	11460
GI	6907106	Score	418
Exons	8981..9095, 10617..10894, 10929..11199, 11273..11460		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8160	Strand	+

Start	1	End	12496
Name	OJ990312_11.9819.C8.o2.gs	Method	GENSCAN
Start	9323	End	12496
GI	none	Score	.43
Exons	9323..9555, 10583..10872, 11353..11459, 11693..11779, 12404..12496		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+
Start	17887	End	29494
Name	OJ990312_11.9819.C8.o3.np	Method	AAT/NAP
Start	17887	End	20749
GI	5911167	Score	1560
Exons	17887..17958, 18361..20521, 20620..20749		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+
Start	17887	End	29494
Name	OJ990312_11.9819.C8.o4.gs	Method	GENSCAN
Start	18286	End	29283
GI	none	Score	.72
Exons	18286..18711, 19108..19312, 19475..20107, 20329..20521, 20620..20940, 21019..21121, 21184..21429, 21586..21834, 25050..25221, 25328..25620, 25722..25925, 26035..26127, 26221..26316, 26400..26744, 26996..27079, 27329..27394, 27496..27561, 27839..27904, 28022..28069, 28148..28210, 28524..28583, 28693..28725, 28928..28975, 29059..29283		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+
Start	17887	End	29494
Name	OJ990312_11.9819.C8.o4.np	Method	AAT/NAP
Start	21002	End	21728
GI	5732031	Score	279
Exons	21002..21134, 21209..21728		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+
Start	17887	End	29494
Name	OJ990312_11.9819.C8.o3.gp	Method	AAT/GAP
Start	24288	End	25002
GI	3548947	Score	658
Exons	24288..24636, 24956..25002		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+
Start	17887	End	29494
Name	OJ990312_11.9819.C8.o5.np	Method	AAT/NAP
Start	25390	End	27614
GI	228207	Score	92
Exons	25390..25620, 25749..25925, 26035..26136, 27576..27614		
GI Descrip.	tnp1 protein [Antirrhinum majus]		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8161	Strand	+

Start	17887	End	29494
Name	OJ990312_11.9819.C8.o4.gp	Method	AAT/GAP
Start	29137	End	29494
GI	2799714	Score	351
Exons	29137..29295, 29386..29494		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8162	Strand	+
Start	34858	End	36983
Name	OJ990312_11.9819.C8.o6.np	Method	AAT/NAP
Start	34858	End	36983
GI	2924781	Score	340
Exons	34858..34935, 36405..36480, 36520..36983		
GI Descrip.	(AC002334) putative cellulose synthase [Arabidopsis thaliana]		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8163	Strand	-
Start	14049	End	17976
Name	OJ990312_11.9819.C8.o3.gs	Method	GENSCAN
Start	14049	End	17976
GI	none	Score	.42
Exons	14049..14109, 14405..14584, 14997..15180, 15218..15550, 17573..17776, 17904..17976		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	11013	End	11361
GI	none	Score	186
Exons	11013..11213, 11014..11214, 11029..11226, 11186..11227, 11216..11242, 11231..11281, 11231..11341, 11314..11361, 11316..11360		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	19056	End	19407
GI	none	Score	85
Exons	19056..19163, 19075..19164, 19186..19407, 19248..19388		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	19195	End	19482
GI	none	Score	290
Exons	19195..19482, 19200..19475		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	19242	End	19695
GI	none	Score	253
Exons	19242..19478, 19252..19485, 19498..19695, 19500..19694		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	19525	End	19764
GI	none	Score	196
Exons	19525..19764, 19527..19742		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o9.tm	Method	TBLASTX:Maize
Start	19828	End	20034
GI	none	Score	190
Exons	19828..20034, 19902..20033		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	20169	End	20510
GI	none	Score	102
Exons	20169..20261, 20271..20510, 20390..20509		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	20169	End	20522
GI	none	Score	321
Exons	20169..20522, 20169..20279, 20171..20521, 20376..20522		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	20172	End	21582
GI	none	Score	260
Exons	20172..20525, 20225..20344, 20399..20491, 20603..20734, 20617..20736, 21406..21582		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	21181	End	21468
GI	none	Score	317
Exons	21181..21297, 21184..21468, 21188..21457, 21331..21459, 21387..21461		

Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	25345	End	25907
GI	none	Score	96

Exons	25345..25386, 25388..25570, 25393..25590, 25395..25565, 25570..25626, 25585..25623, 25713..25907, 25722..25907		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	26245	End	26540
GI	none	Score	77
Exons	26245..26304, 26251..26319, 26251..26325, 26398..26529, 26399..26500, 26406..26540, 26408..26539		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	29056	End	29289
GI	none	Score	190
Exons	29056..29289, 29058..29231		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o6.gs	Method	GENSCAN
Start	33100	End	36858
GI	none	Score	.57
Exons	33100..33117, 33281..33464, 35025..35282, 35323..35419, 36418..36858		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o5.gp	Method	AAT/GAP
Start	34538	End	34846
GI	3767033	Score	526
Exons	34538..34846		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 1.0e-53 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	36523	End	36907
GI	none	Score	116
Exons	36523..36618, 36524..36646, 36656..36907, 36673..36906		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-
Start	33100	End	36907
Name	OJ990312_11.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	36524	End	36904
GI	none	Score	97
Exons	36524..36619, 36656..36904, 36724..36903		
Seq. No.	3849	Seq. ID	OJ990312_11.9819.C8
Gene No.	8164	Strand	-

Start	33100	End	36907
Name	OJ990312_11.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	36524	End	36907
GI	none	Score	100
Exons	36524..36619, 36644..36907, 36721..36906		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8165	Strand	+
Start	1	End	2759
Name	OJ990312_11.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2759
GI	6714431	Score	1082
Exons	1..1648, 2734..2759		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8165	Strand	+
Start	1	End	2759
Name	OJ990312_11.9819.C9.o1.gs	Method	GENSCAN
Start	286	End	1740
GI	none	Score	.97
Exons	286..1740		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8166	Strand	+
Start	5216	End	7486
Name	OJ990312_11.9819.C9.o2.np	Method	AAT/NAP
Start	5216	End	7486
GI	4432840	Score	510
Exons	5216..5284, 5357..5502, 7058..7190, 7298..7486		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8167	Strand	+
Start	7995	End	8539
Name	OJ990312_11.9819.C9.o1.gp	Method	AAT/GAP
Start	7995	End	8539
GI	none	Score	983
Exons	7995..8539		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8168	Strand	-
Start	7387	End	11813
Name	OJ990312_11.9819.C9.o3.gs	Method	GENSCAN
Start	7387	End	11663
GI	none	Score	.66
Exons	7387..7574, 9759..9945, 10055..10708, 10943..11036, 11608..11663		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8168	Strand	-
Start	7387	End	11813
Name	OJ990312_11.9819.C9.o2.gp	Method	AAT/GAP
Start	9880	End	10513
GI	none	Score	997
Exons	9880..9945, 10055..10513		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8168	Strand	-
Start	7387	End	11813
Name	OJ990312_11.9819.C9.o3.np	Method	AAT/NAP
Start	10169	End	11663
GI	6693035	Score	264
Exons	10169..10350, 10489..10708, 11325..11396, 11439..11481, 11588..11663		
GI Descrip.	(AC012375) T22C5.15 [Arabidopsis thaliana]		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8168	Strand	-
Start	7387	End	11813
Name	OJ990312_11.9819.C9.o3.gp	Method	AAT/GAP
Start	10631	End	11813
GI	49175_1.R1084	Score	827
Exons	10631..10708, 11325..11481, 11588..11813		
GI Descrip.	'5730134/emb|CAB52468.1| 1.0e-13 (AL109796) putative protein [Arabidopsis thaliana]'		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8169	Strand	-
Start	15433	End	15999
Name	OJ990312_11.9819.C9.o4.gs	Method	GENSCAN
Start	15433	End	15999
GI	none	Score	.89
Exons	15433..15531, 15943..15999		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	118	End	857
GI	none	Score	288
Exons	118..417, 153..404, 442..624, 450..629, 727..855, 762..857		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	192	End	1650
GI	none	Score	197
Exons	192..404, 217..420, 442..642, 450..641, 739..1134, 771..986, 1224..1391, 1228..1374, 1387..1446, 1585..1650		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	205	End	579
GI	none	Score	208
Exons	205..417, 207..404, 442..579, 450..578		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o3.tm	Method	TBLASTX:Maize

Start	225	End	19262
GI	none	Score	34
Exons	225..401, 275..295, 286..411, 430..624, 441..668, 19026..19262		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	727	End	1650
GI	none	Score	375
Exons	727..1026, 762..989, 1021..1134, 1224..1373, 1224..1370, 1228..1374, 1411..1446, 1579..1650		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	861	End	1650
GI	none	Score	260
Exons	861..986, 862..1128, 1056..1115, 1228..1374, 1408..1446, 1585..1650		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	970	End	1374
GI	none	Score	65
Exons	970..1029, 1021..1134, 1224..1304, 1224..1370, 1228..1374		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	7039	End	7649
GI	none	Score	165
Exons	7039..7188, 7040..7189, 7055..7189, 7056..7196, 7297..7488, 7343..7489, 7544..7645, 7569..7649		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	7058	End	7528
GI	none	Score	61
Exons	7058..7192, 7058..7195, 7059..7196, 7300..7482, 7324..7473, 7343..7528, 7361..7513		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	9764	End	10670
GI	none	Score	76
Exons	9764..9874, 9772..9894, 9795..9923, 9805..9894, 9892..9927, 10043..10171, 10050..10298, 10068..10286, 10223..10669, 10356..10670		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	10127	End	10523
GI	none	Score	67
Exons	10127..10171, 10128..10286, 10253..10522, 10356..10523		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o3.tw	Method	TBLASTX:Wheat
Start	13443	End	13728
GI	none	Score	118
Exons	13443..13607, 13603..13728, 13607..13726		

Seq. No.	3850	Seq. ID	OJ990312_11.9819.C9
Gene No.	8170	Strand	-
Start	18744	End	20720
Name	OJ990312_11.9819.C9.o5.gs	Method	GENSCAN
Start	18744	End	20720
GI	none	Score	.49
Exons	18744..19285, 19287..19382, 20392..20590, 20622..20720		

Seq. No.	3851	Seq. ID	OJ990312_11.9819.C11
Gene No.	8171	Strand	-
Start	2024	End	3006
Name	OJ990312_11.9819.C11.o1.gs	Method	GENSCAN
Start	2024	End	3006
GI	none	Score	.77
Exons	2024..2100, 2931..3006		

Seq. No.	3852	Seq. ID	OJ990312_11.9819.C13
Gene No.	8172	Strand	+
Start	559	End	958
Name	OJ990312_11.9819.C13.o1.gs	Method	GENSCAN
Start	559	End	958
GI	none	Score	.99
Exons	559..958		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8173	Strand	+
Start	4910	End	11446
Name	OJ990312_11.9819.C14.o4.gs	Method	GENSCAN
Start	4910	End	6761
GI	none	Score	.84
Exons	4910..4984, 5970..6761		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8173	Strand	+
Start	4910	End	11446
Name	OJ990312_11.9819.C14.o2.np	Method	AAT/NAP
Start	6440	End	11443
GI	4680179	Score	5691
Exons	6440..6485, 7025..8014, 8042..11443		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8173	Strand	+
Start	4910	End	11446
Name	OJ990312_11.9819.C14.o5.gs	Method	GENSCAN
Start	7025	End	11446
GI	none	Score	.47
Exons	7025..10101, 10198..11446		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8174	Strand	+
Start	11654	End	13790
Name	OJ990312_11.9819.C14.o5.np	Method	AAT/NAP
Start	11654	End	13790
GI	6063554	Score	139
Exons	11654..11976, 12218..12457, 13618..13790		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8174	Strand	+
Start	11654	End	13790
Name	OJ990312_11.9819.C14.o3.np	Method	AAT/NAP
Start	12139	End	13061
GI	5852178	Score	377
Exons	12139..12448, 12498..12598, 12967..13061		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8175	Strand	-
Start	1	End	1725
Name	OJ990312_11.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	1725
GI	5902445	Score	1755
Exons	1..1725		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8175	Strand	-
Start	1	End	1725
Name	OJ990312_11.9819.C14.o1.gs	Method	GENSCAN
Start	10	End	1362
GI	none	Score	.95
Exons	10..1362		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8176	Strand	-
Start	1789	End	2451
Name	OJ990312_11.9819.C14.o2.gs	Method	GENSCAN
Start	1789	End	2451
GI	none	Score	.97
Exons	1789..2451		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8177	Strand	-
Start	2855	End	3577

Name	OJ990312_11.9819.C14.o3.gs	Method	GENSCAN
Start	2855	End	3577
GI	none	Score	.66
Exons	2855..3577		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8178	Strand	-
Start	11852	End	12574
Name	OJ990312_11.9819.C14.o6.gs	Method	GENSCAN
Start	11852	End	12574
GI	none	Score	.5
Exons	11852..12574		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o5.ts	Method	TBLASTX:Soybean
Start	133	End	516
GI	none	Score	85
Exons	133..396, 403..516		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o10.tw	Method	TBLASTX:Wheat
Start	232	End	639
GI	none	Score	57
Exons	232..405, 233..355, 413..574, 415..639		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o5.tw	Method	TBLASTX:Wheat
Start	785	End	9439
GI	none	Score	240
Exons	785..1111, 787..1209, 9194..9439		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o6.tm	Method	TBLASTX:Maize
Start	817	End	9475
GI	none	Score	110
Exons	817..1152, 1147..1290, 8983..9108, 8984..9112, 9173..9475, 9226..9354		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	868	End	9424
GI	none	Score	57
Exons	868..1239, 9029..9061, 9029..9061, 9065..9118, 9067..9108, 9173..9424, 9181..9414		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-

Start	13481	End	15357
Name	OJ990312_11.9819.C14.o4.tw	Method	TBLASTX:Wheat
Start	1261	End	9088
GI	none	Score	535
Exons	1261..1554, 8605..9045, 8606..9088, 8630..9085		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o4.tm	Method	TBLASTX:Maize
Start	1294	End	8983
GI	none	Score	219
Exons	1294..1650, 1295..1588, 8738..8983		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o4.ts	Method	TBLASTX:Soybean
Start	1333	End	8956
GI	none	Score	198
Exons	1333..1539, 8642..8956		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o6.tw	Method	TBLASTX:Wheat
Start	1660	End	2424
GI	none	Score	130
Exons	1660..1824, 1661..1792, 1678..1803, 1972..2232, 1987..2232, 2242..2424, 2243..2416		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o12.tw	Method	TBLASTX:Wheat
Start	7186	End	7384
GI	none	Score	215
Exons	7186..7383, 7187..7384		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o9.tw	Method	TBLASTX:Wheat
Start	7435	End	7786
GI	none	Score	309
Exons	7435..7608, 7436..7786, 7584..7652		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o7.tm	Method	TBLASTX:Maize
Start	7436	End	7741
GI	none	Score	246
Exons	7436..7741		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-

Start	13481	End	15357
Name	OJ990312_11.9819.C14.o11.tw	Method	TBLASTX:Wheat
Start	8120	End	8473
GI	none	Score	256
Exons	8120..8473		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o8.tm	Method	TBLASTX:Maize
Start	8477	End	8674
GI	none	Score	196
Exons	8477..8674, 8515..8673		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o3.tw	Method	TBLASTX:Wheat
Start	9440	End	9865
GI	none	Score	599
Exons	9440..9865, 9442..9858		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o3.ts	Method	TBLASTX:Soybean
Start	9446	End	9694
GI	none	Score	206
Exons	9446..9694		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	9512	End	9865
GI	none	Score	463
Exons	9512..9865, 9517..9858		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	9893	End	10432
GI	none	Score	624
Exons	9893..10432, 10075..10428		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	10220	End	10480
GI	none	Score	301
Exons	10220..10480, 10231..10479		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357

Name	OJ990312_11.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	10279	End	10570
GI	none	Score	411
Exons	10279..10566, 10280..10570, 10412..10567		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	10439	End	11065
GI	none	Score	715
Exons	10439..11065, 10498..10944, 11005..11064		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	10618	End	11203
GI	none	Score	229
Exons	10618..10773, 10619..10780, 10633..10782, 10777..10941, 10778..11203, 11005..11202		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o8.tw	Method	TBLASTX:Wheat
Start	11065	End	11398
GI	none	Score	315
Exons	11065..11346, 11066..11398, 11231..11347		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o7.gs	Method	GENSCAN
Start	13481	End	15296
GI	none	Score	.53
Exons	13481..13645, 14421..14624, 14808..15296		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o6.np	Method	AAT/NAP
Start	14437	End	15357
GI	4680180	Score	629
Exons	14437..15113, 15153..15284, 15312..15357		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-
Start	13481	End	15357
Name	OJ990312_11.9819.C14.o7.tw	Method	TBLASTX:Wheat
Start	14614	End	14993
GI	none	Score	199
Exons	14614..14985, 14616..14993		

Seq. No.	3853	Seq. ID	OJ990312_11.9819.C14
Gene No.	8179	Strand	-

Start	13481	End	15357
Name	OJ990312_11.9819.C14.o5.tm	Method	TBLASTX:Maize
Start	14688	End	14993
GI	none	Score	201
Exons	14688..14993, 14689..14976		

Seq. No.	3854	Seq. ID	OJ990312_11.9819.C16
Gene No.	8180	Strand	+
Start	1	End	741
Name	OJ990312_11.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	741
GI	5852180	Score	217
Exons	1..121, 347..459, 513..741		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3854	Seq. ID	OJ990312_11.9819.C16
Gene No.	8181	Strand	-
Start	422	End	696
Name	OJ990312_11.9819.C16.o1.gs	Method	GENSCAN
Start	422	End	696
GI	none	Score	.49
Exons	422..598, 660..696		

Seq. No.	3855	Seq. ID	OJ990312_11.9819.C17
Gene No.	8182	Strand	+
Start	86	End	328
Name	OJ990312_11.9819.C17.o1.gp	Method	AAT/GAP
Start	86	End	328
GI	1036889	Score	212
Exons	86..328		

Seq. No.	3856	Seq. ID	OJ990312_11.9819.C18
Gene No.	8183	Strand	+
Start	2555	End	4729
Name	OJ990312_11.9819.C18.o1.np	Method	AAT/NAP
Start	2555	End	4289
GI	6721512	Score	89
Exons	2555..2801, 4236..4289		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3856	Seq. ID	OJ990312_11.9819.C18
Gene No.	8183	Strand	+
Start	2555	End	4729
Name	OJ990312_11.9819.C18.o2.np	Method	AAT/NAP
Start	3509	End	4729
GI	6721558	Score	210
Exons	3509..3608, 4310..4434, 4616..4729		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3856	Seq. ID	OJ990312_11.9819.C18
Gene No.	8183	Strand	+
Start	2555	End	4729
Name	OJ990312_11.9819.C18.o3.np	Method	AAT/NAP
Start	3557	End	4729
GI	6721561	Score	160

Exons	3557..3625, 4502..4729		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3856	Seq. ID	OJ990312_11.9819.C18
Gene No.	8184	Strand	-
Start	2543	End	4729
Name	OJ990312_11.9819.C18.o2.gs	Method	GENSCAN
Start	2543	End	4729
GI	none	Score	.82
Exons	2543..2610, 3035..3364, 3529..3587, 3618..4004, 4068..4193, 4213..4343, 4520..4729		
Seq. No.	3857	Seq. ID	OJ990312_11.9819.C19
Gene No.	8185	Strand	+
Start	1	End	637
Name	OJ990312_11.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	637
GI	6721561	Score	759
Exons	1..637		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3857	Seq. ID	OJ990312_11.9819.C19
Gene No.	8186	Strand	-
Start	1910	End	3672
Name	OJ990312_11.9819.C19.o2.np	Method	AAT/NAP
Start	1910	End	3672
GI	6063554	Score	170
Exons	1910..2084, 3117..3178, 3263..3446, 3561..3672		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3858	Seq. ID	OJ990312_11.9819.C20
Gene No.	8187	Strand	+
Start	768	End	1072
Name	OJ990312_11.9819.C20.o1.gs	Method	GENSCAN
Start	768	End	1072
GI	none	Score	.79
Exons	768..1072		
Seq. No.	3858	Seq. ID	OJ990312_11.9819.C20
Gene No.	8188	Strand	-
Start	1688	End	3021
Name	OJ990312_11.9819.C20.o1.np	Method	AAT/NAP
Start	1688	End	3021
GI	5902445	Score	533
Exons	1688..2285, 2959..3021		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3858	Seq. ID	OJ990312_11.9819.C20
Gene No.	8188	Strand	-
Start	1688	End	3021
Name	OJ990312_11.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	1697	End	2292
GI	none	Score	75
Exons	1697..1828, 1698..1823, 1960..2286, 2048..2155, 2116..2292		

Seq. No.	3859	Seq. ID	OJ990312_11.9819.C21
Gene No.	8189	Strand	-
Start	245	End	657
Name	OJ990312_11.9819.C21.o1.gs	Method	GENSCAN
Start	245	End	657
GI	none	Score	.72
Exons	245..363, 420..657		

Seq. No.	3860	Seq. ID	OJ990312_12.9819.C1
Gene No.	8190	Strand	+
Start	206	End	739
Name	OJ990312_12.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	18	End	664
GI	none	Score	95
Exons	18..173, 32..64, 96..200, 131..205, 197..463, 200..463, 476..664		

Seq. No.	3860	Seq. ID	OJ990312_12.9819.C1
Gene No.	8190	Strand	+
Start	206	End	739
Name	OJ990312_12.9819.C1.o1.gs	Method	GENSCAN
Start	206	End	496
GI	none	Score	.73
Exons	206..496		

Seq. No.	3860	Seq. ID	OJ990312_12.9819.C1
Gene No.	8190	Strand	+
Start	206	End	739
Name	OJ990312_12.9819.C1.o1.np	Method	AAT/NAP
Start	246	End	739
GI	6850304	Score	201
Exons	246..739		
GI Descrip.	(AC009999) Contains similarity to a hypothetical protein from Arabidopsis thaliana gb|AC007109.6, and contains two DUF17 PF|01535 domains.		

Seq. No.	3861	Seq. ID	OJ990312_12.9819.C2
Gene No.	8191	Strand	-
Start	224	End	359
Name	OJ990312_12.9819.C2.o1.gs	Method	GENSCAN
Start	224	End	359
GI	none	Score	.97
Exons	224..359		

Seq. No.	3862	Seq. ID	OJ990312_12.9819.C4
Gene No.	8192	Strand	+
Start	1	End	746
Name	OJ990312_12.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	732
GI	4105639	Score	530

Exons	1..57, 180..387, 474..576, 683..732		
GI Descrip.	(AF049356) phytoene desaturase precursor [Oryza sativa]		

Seq. No.	3862	Seq. ID	OJ990312_12.9819.C4
Gene No.	8192	Strand	+
Start	1	End	746
Name	OJ990312_12.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	171	End	734
GI	none	Score	323
Exons	171..392, 174..407, 176..397, 471..578, 472..582, 473..577, 477..578, 478..579, 675..731, 675..734		

Seq. No.	3862	Seq. ID	OJ990312_12.9819.C4
Gene No.	8192	Strand	+
Start	1	End	746
Name	OJ990312_12.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	171	End	736
GI	none	Score	115
Exons	171..332, 172..324, 174..407, 176..397, 471..578, 472..582, 473..577, 478..579, 675..731, 681..734, 683..736, 691..735		

Seq. No.	3862	Seq. ID	OJ990312_12.9819.C4
Gene No.	8192	Strand	+
Start	1	End	746
Name	OJ990312_12.9819.C4.o1.gp	Method	AAT/GAP
Start	175	End	746
GI	841_1.R1084	Score	651
Exons	175..387, 474..576, 683..746		
GI Descrip.	'4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'		

Seq. No.	3862	Seq. ID	OJ990312_12.9819.C4
Gene No.	8192	Strand	+
Start	1	End	746
Name	OJ990312_12.9819.C4.o1.gs	Method	GENSCAN
Start	192	End	387
GI	none	Score	.79
Exons	192..387		

Seq. No.	3863	Seq. ID	OJ990312_12.9819.C5
Gene No.	8193	Strand	+
Start	1	End	1109
Name	OJ990312_12.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	4490303	Score	278
Exons	1..20, 125..260, 938..1109		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	3863	Seq. ID	OJ990312_12.9819.C5
Gene No.	8193	Strand	+
Start	1	End	1109
Name	OJ990312_12.9819.C5.o1.gp	Method	AAT/GAP
Start	118	End	1109
GI	LIB3432-040-P1-K1-D4	Score	526
Exons	118..258, 936..1109		
GI Descrip.	'4490303/emb|CAB38794.1| 4.0e-27 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	3863	Seq. ID	OJ990312_12.9819.C5
Gene No.	8193	Strand	+
Start	1	End	1109
Name	OJ990312_12.9819.C5.o1.gs	Method	GENSCAN
Start	130	End	1022
GI	none	Score	1
Exons	130..258, 936..1022		

Seq. No.	3864	Seq. ID	OJ990312_12.9819.C6
Gene No.	8194	Strand	-
Start	189	End	305
Name	OJ990312_12.9819.C6.o1.gp	Method	AAT/GAP
Start	189	End	305
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	189..305		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3865	Seq. ID	OJ990312_12.9819.C8
Gene No.	8195	Strand	-
Start	311	End	747
Name	OJ990312_12.9819.C8.o1.gp	Method	AAT/GAP
Start	311	End	747
GI	LIB3432-059-P1-K1-D8	Score	671
Exons	311..747		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3866	Seq. ID	OJ990312_12.9819.C10
Gene No.	8196	Strand	-
Start	258	End	457
Name	OJ990312_12.9819.C10.o1.gs	Method	GENSCAN
Start	258	End	457
GI	none	Score	.73
Exons	258..281, 364..457		

Seq. No.	3867	Seq. ID	OJ990312_12.9819.C11
Gene No.	8197	Strand	+
Start	1	End	834
Name	OJ990312_12.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	834
GI	6006885	Score	331
Exons	1..24, 140..735, 813..834		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3867	Seq. ID	OJ990312_12.9819.C11
Gene No.	8197	Strand	+
Start	1	End	834
Name	OJ990312_12.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	173	End	541
GI	none	Score	251
Exons	173..541, 208..537		

Seq. No.	3867	Seq. ID	OJ990312_12.9819.C11
Gene No.	8197	Strand	+

Start	1	End	834
Name	OJ990312_12.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	209	End	635
GI	none	Score	218
Exons	209..559, 211..504, 215..562,	564..635	

Seq. No.	3867	Seq. ID	OJ990312_12.9819.C11
Gene No.	8197	Strand	+
Start	1	End	834
Name	OJ990312_12.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	253	End	653
GI	none	Score	214
Exons	253..540, 254..541, 560..649,	564..653	

Seq. No.	3868	Seq. ID	OJ990312_12.9819.C12
Gene No.	8198	Strand	+
Start	1	End	95
Name	OJ990312_12.9819.C12.o1.gp	Method	AAT/GAP
Start	1	End	95
GI	841_1.R1084	Score	103
Exons	1..95		
GI Descrip.	'4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'		

Seq. No.	3869	Seq. ID	OJ990312_12.9819.C13
Gene No.	8199	Strand	-
Start	140	End	193
Name	OJ990312_12.9819.C13.o1.gs	Method	GENSCAN
Start	140	End	193
GI	none	Score	.87
Exons	140..193		

Seq. No.	3870	Seq. ID	OJ990312_12.9819.C16
Gene No.	8200	Strand	+
Start	400	End	878
Name	OJ990312_12.9819.C16.o1.gs	Method	GENSCAN
Start	400	End	708
GI	none	Score	.42
Exons	400..708		

Seq. No.	3870	Seq. ID	OJ990312_12.9819.C16
Gene No.	8200	Strand	+
Start	400	End	878
Name	OJ990312_12.9819.C16.o1.np	Method	AAT/NAP
Start	400	End	878
GI	2119980	Score	527
Exons	400..878		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	3871	Seq. ID	OJ990312_12.9819.C17
Gene No.	8201	Strand	+
Start	247	End	663
Name	OJ990312_12.9819.C17.o1.gs	Method	GENSCAN
Start	247	End	663
GI	none	Score	.84

Exons	247..663		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8202	Strand	+
Start	124	End	4867
Name	OJ990312_12.9819.C18.o1.gs	Method	GENSCAN
Start	124	End	4611
GI	none	Score	.8
Exons	124..305, 910..947, 1537..1602, 1681..1746, 1823..1911, 2206..2489, 2824..3095, 3545..3680, 4261..4368, 4468..4611		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8202	Strand	+
Start	124	End	4867
Name	OJ990312_12.9819.C18.o1.np	Method	AAT/NAP
Start	566	End	4608
GI	3360289	Score	2408
Exons	566..790, 873..947, 1030..1101, 1189..1260, 1385..1456, 1537..1602, 1681..1746, 1823..2112, 2206..2489, 2824..3095, 3545..3680, 3974..4104, 4212..4368, 4468..4608		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8202	Strand	+
Start	124	End	4867
Name	OJ990312_12.9819.C18.o1.gp	Method	AAT/GAP
Start	735	End	2360
GI	49249_1.R1084	Score	1647
Exons	735..790, 873..947, 1030..1101, 1189..1260, 1385..1456, 1537..1602, 1681..1746, 1823..2112, 2206..2360		
GI Descrip.	'3360289 1.0e-126 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8202	Strand	+
Start	124	End	4867
Name	OJ990312_12.9819.C18.o2.gp	Method	AAT/GAP
Start	3571	End	4867
GI	40641_1.R1084	Score	1395
Exons	3571..3680, 3974..4104, 4212..4369, 4468..4867		
GI Descrip.	'3360289 3.0e-42 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8203	Strand	+
Start	12011	End	20498
Name	OJ990312_12.9819.C18.o3.gs	Method	GENSCAN
Start	12011	End	20498
GI	none	Score	.66
Exons	12011..12139, 12289..12421, 13316..13471, 13690..13838, 14342..14461, 14767..14860, 14977..15049, 15401..15446, 15781..15968, 16077..16239, 18669..18764, 18949..19116, 19529..19673, 20368..20498		
Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8203	Strand	+

Start	12011	End	20498
Name	OJ990312_12.9819.C18.o3.gp	Method	AAT/GAP
Start	12037	End	16722
GI	841_1.R1084	Score	3617
Exons	12037..12214, 12289..12421, 12536..12624, 12773..12830, 13316..13471, 13690..13838, 14342..14461, 14647..14860, 14947..15049, 15156..15203, 15401..15446, 15781..15968, 16077..16239, 16361..16722		
GI Descrip.	'4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8203	Strand	+
Start	12011	End	20498
Name	OJ990312_12.9819.C18.o3.np	Method	AAT/NAP
Start	12047	End	16423
GI	4105639	Score	2521
Exons	12047..12214, 12289..12421, 12536..12624, 12773..12830, 13316..13471, 13690..13838, 14342..14461, 14647..14860, 14947..15049, 15156..15203, 15401..15446, 15781..15968, 16077..16239, 16361..16423		
GI Descrip.	(AF049356) phytoene desaturase precursor [Oryza sativa]		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8203	Strand	+
Start	12011	End	20498
Name	OJ990312_12.9819.C18.o4.gp	Method	AAT/GAP
Start	18592	End	19661
GI	none	Score	949
Exons	18592..18764, 18903..19116, 19529..19661		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8204	Strand	+
Start	20428	End	21010
Name	OJ990312_12.9819.C18.o5.gp	Method	AAT/GAP
Start	20428	End	21010
GI	none	Score	904
Exons	20428..20474, 20592..21010		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8205	Strand	+
Start	22479	End	22693
Name	OJ990312_12.9819.C18.o6.gp	Method	AAT/GAP
Start	22479	End	22693
GI	3107396	Score	426
Exons	22479..22693		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8206	Strand	+
Start	30739	End	35699
Name	OJ990312_12.9819.C18.o5.gs	Method	GENSCAN
Start	30739	End	35687
GI	none	Score	.67
Exons	30739..31122, 31246..31879, 34746..35494, 35532..35687		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8206	Strand	+

Start	30739	End	35699
Name	OJ990312_12.9819.C18.o7.gp	Method	AAT/GAP
Start	30777	End	31137
GI	none	Score	646
Exons	30777..31137		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8206	Strand	+
Start	30739	End	35699
Name	OJ990312_12.9819.C18.o8.gp	Method	AAT/GAP
Start	31515	End	34798
GI	uC-osroM202028g08a1	Score	808
Exons	31515..31879, 34746..34798		
GI Descrip.	'4490301/emb|CAB38792.1| 3.0e-28 (AL035678) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8206	Strand	+
Start	30739	End	35699
Name	OJ990312_12.9819.C18.o4.np	Method	AAT/NAP
Start	34703	End	35699
GI	4490300	Score	1058
Exons	34703..35699		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8207	Strand	+
Start	36488	End	39374
Name	OJ990312_12.9819.C18.o9.gp	Method	AAT/GAP
Start	36488	End	37257
GI	none	Score	855
Exons	36488..36681, 36986..37257		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8207	Strand	+
Start	36488	End	39374
Name	OJ990312_12.9819.C18.o5.np	Method	AAT/NAP
Start	36544	End	39343
GI	6671958	Score	943
Exons	36544..36622, 36986..37526, 37608..38071, 38493..38628, 38748..38819, 38909..38977, 39072..39143, 39233..39343		
GI Descrip.	(AC013454) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8207	Strand	+
Start	36488	End	39374
Name	OJ990312_12.9819.C18.o6.gs	Method	GENSCAN
Start	36946	End	39374
GI	none	Score	.5
Exons	36946..37526, 37608..38071, 38493..38628, 38909..38977, 39072..39143, 39233..39374		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8208	Strand	-
Start	4670	End	11249
Name	OJ990312_12.9819.C18.o2.gs	Method	GENSCAN
Start	4670	End	11249

GI	none	Score	.77
Exons	4670..4676, 5476..5654, 5781..5963, 6078..6239, 6347..6507, 6604..6685, 6760..6810, 6889..7295, 7371..7515, 7617..7787, 7838..7960, 8042..8161, 8252..8371, 8703..8909, 8991..9170, 9285..9419, 9516..9653, 9764..9862, 9966..10085, 10163..10240, 11175..11249		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8208	Strand	-
Start	4670	End	11249
Name	OJ990312_12.9819.C18.o2.np	Method	AAT/NAP
Start	5135	End	10228
GI	5669167	Score	3177
Exons	5135..5228, 5476..5654, 5781..5963, 6078..6251, 6347..6507, 6604..6685, 6760..6792, 6889..7295, 7371..7515, 7617..7721, 7838..7960, 8042..8161, 8252..8371, 8703..8909, 8991..9170, 9285..9419, 9516..9653, 9764..9862, 9966..10085, 10163..10228		
GI Descrip.	(AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia]		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8209	Strand	-
Start	22171	End	29672
Name	OJ990312_12.9819.C18.o4.gs	Method	GENSCAN
Start	22171	End	29672
GI	none	Score	.62
Exons	22171..22374, 22380..22507, 22716..22775, 22870..23034, 23059..23130, 23268..23358, 23943..24110, 24451..24667, 27832..27876, 28497..28598, 29665..29672		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o12.tm	Method	TBLASTX:Maize
Start	750	End	1453
GI	none	Score	61
Exons	750..803, 751..789, 873..947, 874..948, 1010..1099, 1029..1100, 1030..1101, 1031..1102, 1177..1272, 1190..1234, 1197..1238, 1395..1448, 1400..1453, 1401..1451		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o6.tw	Method	TBLASTX:Wheat
Start	1190	End	1747
GI	none	Score	67
Exons	1190..1234, 1200..1259, 1201..1266, 1201..1290, 1366..1443, 1385..1459, 1386..1457, 1536..1604, 1537..1608, 1538..1600, 1670..1747, 1681..1746		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o8.ts	Method	TBLASTX:Soybean
Start	1385	End	1735
GI	none	Score	82
Exons	1385..1459, 1386..1457, 1534..1608, 1538..1597, 1538..1615,		

1681..1734, 1682..1735

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	1923	End	4814
GI	none	Score	174
Exons	1923..2111, 1930..2112, 1967..2113, 2196..2303, 2204..2323, 2205..2324, 2280..2492, 2306..2491, 2308..2493, 2812..2976, 2821..3096, 2823..3098, 3019..3099, 3545..3688, 3546..3680, 3550..3681, 3971..4102, 3972..4094, 3973..4104, 4205..4366, 4209..4367, 4209..4367, 4210..4368, 4462..4587, 4465..4572, 4500..4619, 4570..4614, 4643..4717, 4707..4751, 4709..4744, 4779..4814		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o5.ts	Method	TBLASTX:Soybean
Start	2204	End	4602
GI	none	Score	213
Exons	2204..2491, 2211..2492, 2821..2892, 2823..2882, 2881..3096, 2904..3098, 3366..3422, 3545..3655, 3546..3671, 3550..3672, 3552..3671, 3989..4102, 3991..4104, 4209..4364, 4210..4368, 4462..4602, 4467..4565		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o4.tc	Method	TBLASTX:Cress
Start	2217	End	3652
GI	none	Score	64
Exons	2217..2360, 2280..2492, 2283..2381, 2333..2491, 2383..2493, 2821..3096, 2823..3098, 2877..3113, 3239..3265, 3545..3652, 3546..3650		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o8.tw	Method	TBLASTX:Wheat
Start	3985	End	4317
GI	none	Score	124
Exons	3985..4119, 3992..4105, 4213..4317		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o5.tc	Method	TBLASTX:Cress
Start	4209	End	4590
GI	none	Score	89
Exons	4209..4367, 4209..4367, 4210..4368, 4462..4590, 4467..4556		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o1.ts	Method	TBLASTX:Soybean

Start	5123	End	7724
GI	none	Score	147
Exons	5123..5230, 5781..5978, 5803..5964, 6075..6245, 6076..6240, 6339..6518, 6341..6520, 6602..6682, 6760..6792, 6886..7086, 6890..7054, 7099..7305, 7118..7138, 7214..7315, 7369..7518, 7370..7516, 7375..7527, 7611..7724		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	5132	End	10043
GI	none	Score	80
Exons	5132..5230, 5781..5888, 5781..5963, 5806..5964, 6075..6245, 6076..6240, 6315..6509, 6341..6520, 6602..6682, 6602..6685, 6603..6695, 6742..6792, 6749..6793, 6757..6792, 6886..7086, 6890..7054, 7099..7305, 7111..7179, 7118..7315, 7368..7517, 7369..7518, 7370..7516, 7611..7748, 7624..7683, 7835..7963, 7837..7974, 7838..7948, 7839..7949, 8042..8164, 8043..8108, 8247..8387, 8249..8374, 8662..8910, 8703..8912, 8985..9170, 8988..9164, 8998..9174, 9285..9422, 9334..9420, 9510..9659, 9513..9659, 9759..9863, 9764..9865, 9966..10043		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	5781	End	10086
GI	none	Score	105
Exons	5781..5963, 5785..5964, 6075..6245, 6076..6240, 6078..6245, 6315..6509, 6350..6520, 6602..6682, 6603..6695, 6760..6792, 6886..7047, 6890..7048, 7030..7086, 7099..7305, 7118..7135, 7214..7306, 7369..7512, 7370..7516, 7611..7748, 7835..7963, 7839..7961, 8037..8108, 8042..8164, 8249..8374, 8250..8375, 8251..8379, 8286..8375, 8703..8909, 8703..8912, 8704..8910, 8985..9170, 8989..9171, 8992..9171, 9285..9422, 9286..9420, 9510..9659, 9513..9659, 9767..9865, 9768..9863, 9961..10086, 9966..10085		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	5937	End	7677
GI	none	Score	146
Exons	5937..5963, 6075..6245, 6076..6240, 6325..6504, 6341..6520, 6351..6509, 6602..6685, 6603..6695, 6757..6792, 6774..6812, 6886..7086, 6890..7054, 7099..7305, 7111..7179, 7214..7315, 7369..7518, 7370..7516, 7597..7677, 7611..7670		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	7835	End	9362
GI	none	Score	132
Exons	7835..7963, 7835..7963, 7880..7927, 8037..8108, 8042..8131,		

8042..8164, 8247..8387, 8249..8374, 8701..8889, 8703..8912, 8704..8910, 8985..9170, 8988..9167, 8989..9171, 9279..9359, 9285..9362

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	8247	End	8882
GI	none	Score	141
Exons	8247..8375, 8249..8374, 8703..8882, 8704..8877		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o3.tw	Method	TBLASTX:Wheat
Start	8883	End	9629
GI	none	Score	219
Exons	8883..8912, 8985..9170, 8989..9171, 9279..9422, 9285..9422, 9286..9423, 9510..9623, 9513..9629, 9514..9624		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o6.ts	Method	TBLASTX:Soybean
Start	9363	End	10085
GI	none	Score	91
Exons	9363..9422, 9513..9659, 9531..9641, 9759..9863, 9764..9865, 9961..10077, 9966..10085		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o7.tw	Method	TBLASTX:Wheat
Start	9764	End	10086
GI	none	Score	84
Exons	9764..9865, 9765..9863, 9961..10086, 9966..10085		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	11923	End	12621
GI	none	Score	169
Exons	11923..12108, 11996..12145, 12127..12216, 12128..12217, 12260..12421, 12282..12422, 12283..12426, 12533..12619, 12534..12620, 12550..12621		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o3.tc	Method	TBLASTX:Cress
Start	12271	End	16284
GI	none	Score	174
Exons	12271..12417, 12282..12422, 12283..12426, 12518..12625, 12522..12623, 12523..12624, 12550..12627, 12770..12829, 12771..12830, 12772..12831, 13317..13472, 13318..13473,		

13682..13837, 13683..13838, 13694..13840, 13711..13848,
14338..14463, 14339..14461, 14340..14462, 14341..14463,
14644..14865, 14645..14707, 14646..14870, 14647..14880,
14944..15051, 14945..15055, 14946..15050, 14950..15051,
15148..15204, 15148..15207, 15399..15446, 15773..15967,
15778..15969, 15778..15966, 15780..15971, 15780..15968,
16074..16235, 16075..16239, 16075..16284

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	12283	End	16239
GI	none	Score	169

Exons 12283..12426, 12288..12422, 12522..12626, 12533..12625,
12541..12627, 12550..12627, 12770..12829, 13311..13472,
13317..13472, 13318..13473, 13683..13838, 13688..13837,
13690..13839, 13691..13840, 13903..13929, 14316..14462,
14338..14463, 14339..14461, 14341..14463, 14636..14818,
14645..14797, 14646..14870, 14646..14870, 14647..14880,
14945..15055, 14946..15050, 14951..15052, 15148..15204,
15154..15207, 15156..15209, 15164..15208, 15399..15446,
15778..15969, 15780..15971, 15780..15968, 16074..16226,
16074..16223, 16075..16239, 16078..16239

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o11.tm	Method	TBLASTX:Maize
Start	12770	End	14772
GI	none	Score	113

Exons 12770..12829, 12774..12830, 13303..13461, 13311..13472,
13317..13472, 13318..13473, 13681..13773, 13683..13838,
13688..13837, 13693..13839, 14338..14463, 14339..14461,
14341..14463, 14644..14694, 14646..14696, 14647..14694,
14690..14761, 14694..14762, 14695..14772, 14697..14771,
14698..14772

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	15398	End	16433
GI	none	Score	66

Exons 15398..15448, 15400..15447, 15772..15978, 15778..15969,
15780..15974, 16074..16235, 16075..16239, 16081..16239,
16082..16240, 16358..16432, 16359..16433, 16366..16431

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o8.tm	Method	TBLASTX:Maize
Start	15916	End	16434
GI	none	Score	84

Exons 15916..15969, 15916..15963, 16074..16235, 16075..16239,
16075..16254, 16358..16405, 16360..16404, 16405..16434

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	19005	End	19863
GI	none	Score	99
Exons	19005..19112, 19045..19116, 19526..19633, 19528..19623, 19628..19678, 19636..19677, 19658..19849, 19675..19854, 19676..19849, 19677..19850, 19678..19863		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o9.tm	Method	TBLASTX:Maize
Start	31417	End	31878
GI	none	Score	165
Exons	31417..31584, 31554..31652, 31591..31653, 31723..31878, 31747..31839		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	34802	End	35629
GI	none	Score	1088
Exons	34802..35467, 34819..35451, 35144..35467, 35469..35627, 35469..35504, 35471..35629		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o9.tw	Method	TBLASTX:Wheat
Start	34808	End	34984
GI	none	Score	179
Exons	34808..34984, 34819..34932		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	34817	End	35332
GI	none	Score	555
Exons	34817..35332, 34825..34926, 34966..35070, 35143..35331		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o4.ts	Method	TBLASTX:Soybean
Start	34957	End	35371
GI	none	Score	518
Exons	34957..35070, 34958..35371, 35137..35349		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	35279	End	35666

GI	none	Score	118
Exons	35279..35383, 35285..35350, 35369..35467, 35422..35451, 35469..35666, 35471..35539		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o7.ts	Method	TBLASTX:Soybean
Start	36973	End	37263
GI	none	Score	284
Exons	36973..37245, 36999..37205, 37060..37263		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o7.tm	Method	TBLASTX:Maize
Start	37303	End	37692
GI	none	Score	261
Exons	37303..37512, 37305..37511, 37498..37527, 37593..37676, 37614..37676, 37615..37692		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o10.tm	Method	TBLASTX:Maize
Start	37695	End	37958
GI	none	Score	287
Exons	37695..37958, 37699..37956		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o13.tm	Method	TBLASTX:Maize
Start	38903	End	39283
GI	none	Score	58
Exons	38903..38962, 38907..38987, 38907..38987, 39018..39149, 39067..39150, 39068..39169, 39068..39160, 39224..39283, 39231..39281		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o10.gp	Method	AAT/GAP
Start	39806	End	40697
GI	none	Score	1252
Exons	39806..40099, 40213..40419, 40518..40697		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-
Start	40049	End	40843
Name	OJ990312_12.9819.C18.o7.gs	Method	GENSCAN
Start	40049	End	40816
GI	none	Score	.81
Exons	40049..40099, 40213..40419, 40518..40692, 40809..40816		

Seq. No.	3872	Seq. ID	OJ990312_12.9819.C18
Gene No.	8210	Strand	-

Start	40049	End	40843
Name	OJ990312_12.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	40218	End	40843
GI	none	Score	138
Exons	40218..40412, 40219..40413, 40219..40419, 40227..40421, 40517..40693, 40518..40586, 40518..40709, 40519..40695, 40623..40706, 40808..40843		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8211	Strand	+
Start	496	End	2030
Name	OJ990312_12.9819.C19.o1.gs	Method	GENSCAN
Start	496	End	2030
GI	none	Score	.47
Exons	496..588, 633..682, 1820..2030		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8212	Strand	+
Start	2656	End	3913
Name	OJ990312_12.9819.C19.o1.np	Method	AAT/NAP
Start	2620	End	3913
GI	4490303	Score	582
Exons	2620..2763, 2791..2940, 3104..3232, 3441..3605, 3751..3913		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8212	Strand	+
Start	2656	End	3913
Name	OJ990312_12.9819.C19.o2.gs	Method	GENSCAN
Start	2656	End	3846
GI	none	Score	.94
Exons	2656..2940, 3104..3232, 3441..3605, 3751..3846		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8213	Strand	-
Start	376	End	461
Name	OJ990312_12.9819.C19.o1.gp	Method	AAT/GAP
Start	376	End	461
GI	2442274	Score	142
Exons	376..461		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8214	Strand	-
Start	819	End	1007
Name	OJ990312_12.9819.C19.o2.gp	Method	AAT/GAP
Start	819	End	1007
GI	4138298	Score	285
Exons	819..1007		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8215	Strand	
Start	2649	End	3848
Name	OJ990312_12.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	2649	End	3214
GI	none	Score	142

Exons	2649..2756, 2650..2790, 2686..2790, 2800..2952, 2812..2964, 3098..3166, 3133..3165, 3161..3214, 3163..3210		
Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8215	Strand	
Start	2649	End	3848
Name	OJ990312_12.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	2655	End	3848
GI	none	Score	104
Exons	2655..2786, 2656..2760, 2800..2949, 3104..3199, 3477..3608, 3479..3619, 3750..3848, 3751..3816		
Seq. No.	3873	Seq. ID	OJ990312_12.9819.C19
Gene No.	8215	Strand	
Start	2649	End	3848
Name	OJ990312_12.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	2656	End	3235
GI	none	Score	86
Exons	2656..2739, 2800..2949, 2800..2964, 3098..3235, 3136..3225		
Seq. No.	3874	Seq. ID	OJ990312_12.9819.C20
Gene No.	8216	Strand	+
Start	1	End	467
Name	OJ990312_12.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	467
GI	4490303	Score	167
Exons	1..179, 330..467		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		
Seq. No.	3874	Seq. ID	OJ990312_12.9819.C20
Gene No.	8217	Strand	+
Start	795	End	1293
Name	OJ990312_12.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	327	End	1097
GI	none	Score	44
Exons	327..356, 357..401, 930..1097		
Seq. No.	3874	Seq. ID	OJ990312_12.9819.C20
Gene No.	8217	Strand	+
Start	795	End	1293
Name	OJ990312_12.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	332	End	500
GI	none	Score	212
Exons	332..475, 333..500, 337..498		
Seq. No.	3874	Seq. ID	OJ990312_12.9819.C20
Gene No.	8217	Strand	+
Start	795	End	1293
Name	OJ990312_12.9819.C20.o2.np	Method	AAT/NAP
Start	795	End	1293
GI	4490303	Score	261
Exons	795..1094, 1270..1293		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		
Seq. No.	3874	Seq. ID	OJ990312_12.9819.C20
Gene No.	8217	Strand	+
Start	795	End	1293

Name	OJ990312_12.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	930	End	1097
GI	none	Score	222
Exons	930..1097, 1032..1082		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8218	Strand	+
Start	1	End	1057
Name	OJ990312_12.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	1057
GI	4490303	Score	680
Exons	1..47, 189..389, 526..831, 920..1057		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8219	Strand	+
Start	1015	End	1249
Name	OJ990312_12.9819.C21.o2.gp	Method	AAT/GAP
Start	1015	End	1249
GI	427687	Score	422
Exons	1015..1249		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8220	Strand	+
Start	3617	End	7667
Name	OJ990312_12.9819.C21.o4.np	Method	AAT/NAP
Start	3617	End	7667
GI	4680183	Score	135
Exons	3617..3741, 7550..7667		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o3.np	Method	AAT/NAP
Start	1	End	7545
GI	6721561	Score	133
Exons	1..70, 3226..3368, 4304..4480, 7440..7545		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o1.gp	Method	AAT/GAP
Start	222	End	543
GI	LIB3432-040-P1-K1-D4	Score	566
Exons	222..543		
GI Descrip.	'4490303/emb|CAB38794.1| 4.0e-27 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980

Name	OJ990312_12.9819.C21.o2.tc	Method	TBLASTX:Cress
Start	261	End	991
GI	none	Score	146
Exons	261..398, 263..406, 525..791, 526..789, 913..945, 917..946, 947..991		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	501	End	807
GI	none	Score	262
Exons	501..806, 526..807		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	724	End	1294
GI	none	Score	167
Exons	724..843, 728..829, 733..831, 919..1065, 920..1081, 1136..1213, 1253..1294		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o3.gp	Method	AAT/GAP
Start	1489	End	1997
GI	3768922	Score	697
Exons	1489..1839, 1915..1997		
GI Descrip.	2498706/sp|Q38899|ORC2_ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana]		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o2.np	Method	AAT/NAP
Start	1643	End	3625
GI	2498706	Score	987
Exons	1643..1839, 1915..2142, 2218..2509, 3076..3208, 3290..3396, 3482..3625		
GI Descrip.	ORIGIN RECOGNITION COMPLEX SUBUNIT 2 gi|1113103 (U40269) atOrc2p [Arabidopsis thaliana] gi|3236239|gb|AAC23627.1| (AC004684) origin recognition complex protein [Arabidopsis thaliana]		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	1649	End	3586
GI	none	Score	147
Exons	1649..1840, 1674..1841, 1889..2146, 1890..2141, 1930..2145, 2217..2423, 2219..2512, 3073..3222, 3074..3211, 3287..3409, 3289..3399, 3474..3527, 3482..3541, 3557..3586		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	1712	End	1841
GI	none	Score	144
Exons	1712..1840, 1713..1841		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o2.gs	Method	GENSCAN
Start	1862	End	8886
GI	none	Score	.69
Exons	1862..2142, 2218..2509, 3076..3208, 3290..3432, 3482..3753, 4234..4488, 4573..4637, 4708..4811, 5333..5596, 8381..8609, 8646..8774, 8780..8886		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	1916	End	2296
GI	none	Score	214
Exons	1916..2128, 1917..2129, 1950..2132, 1972..2133, 2217..2294, 2219..2296		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	2030	End	2369
GI	none	Score	121
Exons	2030..2140, 2031..2138, 2038..2142, 2039..2140, 2217..2369, 2219..2368		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o4.gp	Method	AAT/GAP
Start	2220	End	3553
GI	920_1.R1084	Score	1045
Exons	2220..2509, 3076..3208, 3290..3396, 3482..3553		
GI Descrip.	'2498706/sp|Q38899|ORC2_ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana]'		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o5.gp	Method	AAT/GAP
Start	6842	End	6949
GI	uC-osflcyp088b12b1	Score	164
Exons	6842..6949		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3875	Seq. ID	OJ990312_12.9819.C21
Gene No.	8221	Strand	-
Start	1	End	8980
Name	OJ990312_12.9819.C21.o5.np	Method	AAT/NAP
Start	8387	End	8980
GI	1947160	Score	79
Exons	8387..8980		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	3876	Seq. ID	OJ990312_12.9819.C22
Gene No.	8222	Strand	+
Start	147	End	1502
Name	OJ990312_12.9819.C22.o1.gs	Method	GENSCAN
Start	147	End	1502
GI	none	Score	.65
Exons	147..193, 905..1010, 1452..1502		

Seq. No.	3876	Seq. ID	OJ990312_12.9819.C22
Gene No.	8223	Strand	+
Start	6651	End	6824
Name	OJ990312_12.9819.C22.o1.np	Method	AAT/NAP
Start	6651	End	6824
GI	6069646	Score	73
Exons	6651..6824		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3876	Seq. ID	OJ990312_12.9819.C22
Gene No.	8224	Strand	-
Start	2278	End	6817
Name	OJ990312_12.9819.C22.o2.gs	Method	GENSCAN
Start	2278	End	6817
GI	none	Score	.61
Exons	2278..2482, 3278..3417, 3574..3751, 3849..3933, 5317..5422, 5633..5777, 6671..6746, 6808..6817		

Seq. No.	3877	Seq. ID	OJ990312_12.9819.C23
Gene No.	8225	Strand	+
Start	1	End	536
Name	OJ990312_12.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	536
GI	1076413	Score	463
Exons	1..536		
GI Descrip.	serine O-acetyltransferase (EC 2.3.1.30) - Arabidopsis thaliana gi|2146776|pir||S67482 serine O-acetyltransferase (EC 2.3.1.30) - Arabidopsis thaliana gi|608577 (L34076) serine acetyltransferase [Arabidopsis thaliana] gi|608677|emb|CAA84371| (Z34888) serine acetyltransferase [Arabidopsis thaliana] gi|1093493|prf||2104212A Ser acetyltransferase [Arabidopsis thaliana]		

Seq. No.	3877	Seq. ID	OJ990312_12.9819.C23

Gene No.	8225	Strand	+
Start	1	End	536
Name	OJ990312_12.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	65	End	452
GI	none	Score	120
Exons	65..451, 104..208, 183..257, 237..452		

Seq. No.	3877	Seq. ID	OJ990312_12.9819.C23
Gene No.	8225	Strand	+
Start	1	End	536
Name	OJ990312_12.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	77	End	474
GI	none	Score	40
Exons	77..208, 79..105, 104..208, 206..451, 207..452, 433..474		

Seq. No.	3877	Seq. ID	OJ990312_12.9819.C23
Gene No.	8225	Strand	+
Start	1	End	536
Name	OJ990312_12.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	104	End	452
GI	none	Score	122
Exons	104..208, 183..452, 206..451		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8226	Strand	+
Start	1207	End	2134
Name	OJ990312_12.9819.C24.o1.gs	Method	GENSCAN
Start	1207	End	2134
GI	none	Score	.47
Exons	1207..1352, 1416..1557, 2039..2134		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8227	Strand	+
Start	5095	End	6993
Name	OJ990312_12.9819.C24.o2.gs	Method	GENSCAN
Start	5095	End	6993
GI	none	Score	.55
Exons	5095..5213, 5828..5903, 6817..6993		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8228	Strand	+
Start	10536	End	11025
Name	OJ990312_12.9819.C24.o2.gp	Method	AAT/GAP
Start	10536	End	11025
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	10536..10575, 10969..11025		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o2.np	Method	AAT/NAP
Start	7468	End	11636
GI	2244839	Score	458
Exons	7468..7512, 8270..9181, 11618..11636		

GI Descrip. (Z97337) hypothetical protein [Arabidopsis thaliana]

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o1.np	Method	AAT/NAP
Start	8247	End	10949
GI	2464864	Score	498
Exons	8247..9487, 10929..10949		

GI Descrip. (Z99707) putative protein [Arabidopsis thaliana]

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o3.gs	Method	GENSCAN
Start	8261	End	15269
GI	none	Score	.87
Exons	8261..9520, 9666..9800, 13263..13402, 13497..14415, 14720..14854, 15119..15141, 15206..15269		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	8270	End	8716
GI	none	Score	120
Exons	8270..8716, 8277..8660		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o2.tm	Method	TBLASTX:Maize
Start	8324	End	8666
GI	none	Score	95
Exons	8324..8665, 8339..8515, 8355..8582, 8628..8666		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	8474	End	9139
GI	none	Score	139
Exons	8474..8848, 8478..8831, 8966..9139		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	8669	End	9454
GI	none	Score	261
Exons	8669..8971, 8963..9331, 8964..9329, 9291..9449, 9317..9454		

Seq. No.	3878	Seq. ID	OJ990312_12.9819.C24
Gene No.	8229	Strand	-
Start	8261	End	15269
Name	OJ990312_12.9819.C24.o1.gp	Method	AAT/GAP
Start	10507	End	10966

GI	LIB3432-059-P1-K1-D8	Score	783
Exons	10507..10966		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3879	Seq. ID	OJ990312_12.9819.C25
Gene No.	8230	Strand	+
Start	1	End	2265
Name	OJ990312_12.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	4455176	Score	1083
Exons	1..253, 1101..2265		
GI Descrip.	(AL035521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3879	Seq. ID	OJ990312_12.9819.C25
Gene No.	8230	Strand	+
Start	1	End	2265
Name	OJ990312_12.9819.C25.o1.gs	Method	GENSCAN
Start	239	End	2258
GI	none	Score	.58
Exons	239..256, 1101..2258		

Seq. No.	3879	Seq. ID	OJ990312_12.9819.C25
Gene No.	8230	Strand	+
Start	1	End	2265
Name	OJ990312_12.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	2115	End	2259
GI	none	Score	226
Exons	2115..2258, 2116..2259, 2117..2257		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1891
GI	4455176	Score	498
Exons	1..638, 1020..1122, 1823..1891		
GI Descrip.	(AL035521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	15	End	288
GI	none	Score	417
Exons	15..287, 16..285, 17..286, 19..288		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.gs	Method	GENSCAN
Start	298	End	3639
GI	none	Score	.51
Exons	298..638, 1020..1096, 1195..1279, 1512..1613, 1705..1803, 2318..2376, 3261..3639		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26

Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	1325	End	1811
GI	none	Score	114
Exons	1325..1426, 1336..1428, 1338..1424, 1511..1615, 1515..1616, 1698..1808, 1702..1809, 1705..1809, 1710..1811		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.gp	Method	AAT/GAP
Start	3055	End	3584
GI	none	Score	706
Exons	3055..3103, 3261..3584		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	3262	End	3540
GI	none	Score	377
Exons	3262..3540, 3384..3539		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	3316	End	3638
GI	none	Score	504
Exons	3316..3627, 3390..3626, 3552..3638		

Seq. No.	3880	Seq. ID	OJ990312_12.9819.C26
Gene No.	8231	Strand	+
Start	1	End	3644
Name	OJ990312_12.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	3409	End	3644
GI	none	Score	234
Exons	3409..3534, 3412..3639, 3423..3641, 3573..3644		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8232	Strand	+
Start	1014	End	1145
Name	OJ990312_12.9819.C27.o1.np	Method	AAT/NAP
Start	1014	End	1145
GI	5777617	Score	86
Exons	1014..1145		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8233	Strand	+
Start	5394	End	7339
Name	OJ990312_12.9819.C27.o3.np	Method	AAT/NAP
Start	5394	End	7045
GI	2739379	Score	314
Exons	5394..5442, 5572..5669, 6163..6248, 6677..6811, 6979..7045		
GI Descrip.	(AC002505) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8233	Strand	+
Start	5394	End	7339
Name	OJ990312_12.9819.C27.o2.gp	Method	AAT/GAP
Start	6213	End	7339
GI	uC-osflcyp118e08a1	Score	832
Exons	6213..6248, 6677..6811, 6979..7030, 7109..7339		
GI Descrip.	'2739379 4.0e-22 (AC002505) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8234	Strand	-
Start	246	End	583
Name	OJ990312_12.9819.C27.o1.gp	Method	AAT/GAP
Start	246	End	583
GI	5038557	Score	676
Exons	246..583		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8235	Strand	-
Start	1520	End	3468
Name	OJ990312_12.9819.C27.o2.gs	Method	GENSCAN
Start	1520	End	3468
GI	none	Score	.72
Exons	1520..1734, 1861..2005, 2054..2241, 2415..2591, 3000..3468		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8235	Strand	-
Start	1520	End	3468
Name	OJ990312_12.9819.C27.o2.np	Method	AAT/NAP
Start	3005	End	3110
GI	5777617	Score	81
Exons	3005..3110		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8236	Strand	-
Start	18734	End	20585
Name	OJ990312_12.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	301	End	574
GI	none	Score	178
Exons	301..333, 343..546, 344..574		

Seq. No.	3881	Seq. ID	OJ990312_12.9819.C27
Gene No.	8236	Strand	-
Start	18734	End	20585
Name	OJ990312_12.9819.C27.o4.gs	Method	GENSCAN
Start	18734	End	20585
GI	none	Score	.54
Exons	18734..18864, 20460..20585		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8237	Strand	+
Start	18	End	4126
Name	OJ990312_12.9819.C28.o1.gs	Method	GENSCAN
Start	18	End	4126

GI	none	Score	.95
Exons	18..1301, 2009..3093, 3181..4126		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8237	Strand	+
Start	18	End	4126
Name	OJ990312_12.9819.C28.o1.gp	Method	AAT/GAP
Start	189	End	698
GI	none	Score	1012
Exons	189..698		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8238	Strand	+
Start	5219	End	5721
Name	OJ990312_12.9819.C28.o3.gp	Method	AAT/GAP
Start	5219	End	5666
GI	none	Score	430
Exons	5219..5447, 5579..5666		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8238	Strand	+
Start	5219	End	5721
Name	OJ990312_12.9819.C28.o4.gp	Method	AAT/GAP
Start	5273	End	5721
GI	none	Score	444
Exons	5273..5447, 5579..5721		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8239	Strand	-
Start	3608	End	4073
Name	OJ990312_12.9819.C28.o2.gp	Method	AAT/GAP
Start	3608	End	4073
GI	none	Score	909
Exons	3608..4073		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	134	End	450
GI	none	Score	423
Exons	134..448, 135..449, 172..450		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	2035	End	2271
GI	none	Score	203
Exons	2035..2271, 2036..2269		

Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	3275	End	3568
GI	none	Score	113

Exons	3275..3379, 3275..3424, 3277..3381, 3408..3551, 3445..3558, 3445..3567, 3446..3568		
Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o2.gs	Method	GENSCAN
Start	5425	End	7047
GI	none	Score	.93
Exons	5425..5449, 5582..5736, 6068..6109, 6195..6294, 6655..6719, 6970..7047		
Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o1.np	Method	AAT/NAP
Start	5560	End	11033
GI	5295978	Score	321
Exons	5560..5703, 5854..5922, 6068..6109, 6195..6294, 6655..6713, 6967..7048, 10853..11033		
GI Descrip.	(AB003322) MADS box-like protein [Oryza sativa]		
Seq. No.	3882	Seq. ID	OJ990312_12.9819.C28
Gene No.	8240	Strand	-
Start	5425	End	11036
Name	OJ990312_12.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	5581	End	11036
GI	none	Score	104
Exons	5581..5712, 5582..5713, 5713..5757, 5714..5770, 5866..5928, 5876..5929, 6068..6112, 6068..6112, 6195..6296, 6196..6297, 6654..6713, 6970..7050, 6988..7056, 10777..10971, 10853..10972, 10894..11010, 10914..11036, 10953..11036		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8241	Strand	+
Start	70	End	11040
Name	OJ990312_12.9819.C29.o1.gs	Method	GENSCAN
Start	70	End	11040
GI	none	Score	.54
Exons	70..150, 336..480, 559..593, 2753..3406, 7808..7898, 8877..8996, 9119..9158, 9630..9717, 10033..10254, 10413..10533, 10880..11040		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8241	Strand	+
Start	70	End	11040
Name	OJ990312_12.9819.C29.o1.gp	Method	AAT/GAP
Start	173	End	309
GI	none	Score	206
Exons	173..309		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8241	Strand	+
Start	70	End	11040
Name	OJ990312_12.9819.C29.o1.np	Method	AAT/NAP
Start	8920	End	11037
GI	6630732	Score	449
Exons	8920..9058, 9101..9158, 9630..9717, 10033..10072, 10208..10254,		

	10413..10533, 10880..11037		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8242	Strand	+
Start	13547	End	17779
Name	OJ990312_12.9819.C29.o2.np	Method	AAT/NAP
Start	13547	End	17484
GI	2160166	Score	863
Exons	13547..13657, 16215..17484		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8242	Strand	+
Start	13547	End	17779
Name	OJ990312_12.9819.C29.o3.gs	Method	GENSCAN
Start	16171	End	17487
GI	none	Score	.5
Exons	16171..16764, 16852..17487		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8242	Strand	+
Start	13547	End	17779
Name	OJ990312_12.9819.C29.o4.gp	Method	AAT/GAP
Start	17168	End	17779
GI	56393_1.R1084	Score	1152
Exons	17168..17779		
GI Descrip.	'2160166 2.0e-21 (AC000132) No definition line found [Arabidopsis thaliana]'		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8243	Strand	+
Start	20117	End	20799
Name	OJ990312_12.9819.C29.o4.gs	Method	GENSCAN
Start	20117	End	20476
GI	none	Score	.66
Exons	20117..20476		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8243	Strand	+
Start	20117	End	20799
Name	OJ990312_12.9819.C29.o5.gp	Method	AAT/GAP
Start	20348	End	20799
GI	3760468	Score	724
Exons	20348..20799		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8244	Strand	-
Start	162	End	449
Name	OJ990312_12.9819.C29.o2.gp	Method	AAT/GAP
Start	162	End	449
GI	25529_1.R1084	Score	519
Exons	162..449		
GI Descrip.	'2735764 4.0e-09 (AF008651) MADS transcriptional factor; STMADS16 [Solanum tuberosum]'		
Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29

Gene No.	8245	Strand	-
Start	12381	End	14724
Name	OJ990312_12.9819.C29.o2.gs	Method	GENSCAN
Start	12381	End	14724
GI	none	Score	.95
Exons	12381..12500, 14334..14384, 14671..14724		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8245	Strand	-
Start	12381	End	14724
Name	OJ990312_12.9819.C29.o3.gp	Method	AAT/GAP
Start	12672	End	13113
GI	LIB3432-059-P1-K1-D8	Score	671
Exons	12672..13113		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o2.tm	Method	TBLASTX:Maize
Start	8942	End	9737
GI	none	Score	138
Exons	8942..9151, 8943..9158, 8948..9112, 8964..9152, 9592..9723, 9627..9737, 9628..9720, 9629..9733		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o3.tm	Method	TBLASTX:Maize
Start	10035	End	11049
GI	none	Score	40
Exons	10035..10076, 10040..10072, 10198..10254, 10200..10253, 10409..10531, 10410..10535, 10410..10532, 10412..10534, 10881..11045, 10882..11049, 10886..11044, 10947..11045		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	16239	End	17487
GI	none	Score	122
Exons	16239..16283, 16246..16362, 16339..16590, 16359..16598, 16651..16944, 16665..16913, 16720..16938, 16945..17067, 16950..17066, 17071..17487, 17073..17468		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o1.tc	Method	TBLASTX:Cress
Start	16402	End	17493
GI	none	Score	74
Exons	16402..16545, 16684..16782, 16792..16944, 16797..16913, 16945..17193, 16950..17180, 17191..17238, 17205..17228, 17289..17468, 17290..17493		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29

Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	16690	End	17490
GI	none	Score	109
Exons	16690..16782, 16792..16944, 16797..16913, 16945..17181, 16950..17180, 17173..17229, 17286..17468, 17287..17490		

Seq. No.	3883	Seq. ID	OJ990312_12.9819.C29
Gene No.	8246	Strand	-
Start	18079	End	20359
Name	OJ990312_12.9819.C29.o3.np	Method	AAT/NAP
Start	18079	End	20359
GI	1707018	Score	367
Exons	18079..18157, 18325..18419, 18568..18599, 19012..19074, 19336..19447, 20197..20359		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	3884	Seq. ID	OJ990312_12.9819.C30
Gene No.	8247	Strand	-
Start	1	End	579
Name	OJ990312_12.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	579
GI	119714	Score	127
Exons	1..579		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	3885	Seq. ID	OJ990312_13.9819.C1
Gene No.	8248	Strand	+
Start	1	End	707
Name	OJ990312_13.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	707
GI	3342242	Score	388
Exons	1..98, 308..401, 507..707		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		

Seq. No.	3885	Seq. ID	OJ990312_13.9819.C1
Gene No.	8248	Strand	+
Start	1	End	707
Name	OJ990312_13.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	700
GI	none	Score	49
Exons	1..48, 2..64, 49..108, 49..93, 300..386, 308..379, 506..589, 507..590, 533..700, 534..683		

Seq. No.	3885	Seq. ID	OJ990312_13.9819.C1
Gene No.	8248	Strand	+
Start	1	End	707
Name	OJ990312_13.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	700
GI	none	Score	49
Exons	1..48, 2..64, 49..108, 49..93, 300..386, 308..379, 506..589,		

507..590, 533..700, 534..683

Seq. No.	3885	Seq. ID	OJ990312_13.9819.C1
Gene No.	8248	Strand	+
Start	1	End	707
Name	OJ990312_13.9819.C1.o1.gs	Method	GENSCAN
Start	308	End	677
GI	none	Score	.8
Exons	308..401, 507..677		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8249	Strand	+
Start	15884	End	27549
Name	OJ990312_13.9819.C2.o4.gs	Method	GENSCAN
Start	15884	End	27549
GI	none	Score	.86
Exons	15884..16041, 16294..16392, 17518..17616, 17708..17990, 18377..18601, 19587..19784, 20063..20517, 21016..21154, 21227..21305, 21878..22098, 22250..22554, 22641..22752, 22877..22996, 23125..23263, 23303..23411, 23925..24015, 24132..24256, 24340..24489, 24575..24647, 25046..25238, 26131..26277, 26368..26574, 27179..27282, 27463..27549		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8249	Strand	+
Start	15884	End	27549
Name	OJ990312_13.9819.C2.o6.np	Method	AAT/NAP
Start	17555	End	26923
GI	4490736	Score	3716
Exons	17555..17616, 17708..17990, 18377..18601, 19587..19784, 20063..20517, 21016..21154, 21227..21305, 21920..22135, 22228..22554, 22641..22780, 22850..23224, 23303..23411, 23925..24015, 24132..24258, 24333..24510, 24572..24761, 24798..25041, 25077..25238, 26131..26277, 26368..26574, 26757..26923		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8250	Strand	+
Start	30431	End	33576
Name	OJ990312_13.9819.C2.o6.gs	Method	GENSCAN
Start	30431	End	33466
GI	none	Score	.45
Exons	30431..30469, 30509..30769, 30861..31157, 31247..31414, 31585..31752, 31845..31925, 32036..32102, 32518..32615, 32857..32929, 33018..33088, 33205..33254, 33337..33466		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8250	Strand	+
Start	30431	End	33576
Name	OJ990312_13.9819.C2.o7.np	Method	AAT/NAP
Start	30480	End	33576
GI	2062155	Score	863
Exons	30480..30769, 30861..31157, 31247..31414, 31585..31752, 31845..31925, 32036..32102, 32518..32615, 32948..33088, 33205..33254, 33337..33449, 33533..33576		
GI Descrip.	(AC001645) mitochondrial processing peptidase alpha subunit		

precusor isolog [Arabidopsis thaliana]

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8250	Strand	+
Start	30431	End	33576
Name	OJ990312_13.9819.C2.o4.gp	Method	AAT/GAP
Start	31325	End	32912
GI	61106_1.R1084	Score	1008
Exons	31325..31414, 31585..31752, 31845..31925, 32036..32102, 32518..32615, 32857..32912		
GI Descrip.	'266567/sp|P29677|MPPA_SOLTU 4.0e-48 MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II) >gi_421956_pir__S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato >gi_21493_emb_CAA46990_ (X66284) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8251	Strand	+
Start	33569	End	33921
Name	OJ990312_13.9819.C2.o5.gp	Method	AAT/GAP
Start	33569	End	33921
GI	4716805	Score	615
Exons	33569..33921		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8252	Strand	+
Start	34079	End	34720
Name	OJ990312_13.9819.C2.o6.gp	Method	AAT/GAP
Start	34079	End	34720
GI	34745_1.R1084	Score	1213
Exons	34079..34720		
GI Descrip.	'2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]'		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8253	Strand	+
Start	36735	End	46784
Name	OJ990312_13.9819.C2.o8.gs	Method	GENSCAN
Start	36735	End	46784
GI	none	Score	.82
Exons	36735..37096, 37373..37512, 37566..37677, 39826..40005, 41466..41546, 42082..42203, 43059..43915, 44848..45089, 45299..45392, 45498..45668, 45964..46141, 46177..46784		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8253	Strand	+
Start	36735	End	46784
Name	OJ990312_13.9819.C2.o7.gp	Method	AAT/GAP
Start	37421	End	40234
GI	33042_1.R1084	Score	1131
Exons	37421..37513, 38984..39035, 39465..39504, 39585..39669, 39826..40234		
GI Descrip.	'6006892/gb|AAF00667.1|AC008153_19 2.0e-57 (AC008153) unknown		

protein [Arabidopsis thaliana]'

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8253	Strand	+
Start	36735	End	46784
Name	OJ990312_13.9819.C2.o8.np	Method	AAT/NAP
Start	38938	End	40006
GI	6006892	Score	449
Exons	38938..39035, 39465..39504, 39585..39669, 39826..40006		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8253	Strand	+
Start	36735	End	46784
Name	OJ990312_13.9819.C2.o9.np	Method	AAT/NAP
Start	43196	End	45698
GI	3342242	Score	1854
Exons	43196..43915, 44602..44764, 44852..45089, 45299..45392, 45498..45698		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8254	Strand	+
Start	52028	End	53518
Name	OJ990312_13.9819.C2.o10.gs	Method	GENSCAN
Start	52028	End	53518
GI	none	Score	.99
Exons	52028..52511, 52524..53518		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8255	Strand	-
Start	971	End	1522
Name	OJ990312_13.9819.C2.o1.gs	Method	GENSCAN
Start	971	End	1522
GI	none	Score	1
Exons	971..1522		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o2.gs	Method	GENSCAN
Start	3122	End	5705
GI	none	Score	.53
Exons	3122..3441, 3891..4107, 4833..4950, 5378..5461, 5554..5705		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o1.gp	Method	AAT/GAP
Start	3149	End	5613
GI	none	Score	908
Exons	3149..3411, 3501..3569, 3664..3703, 5378..5461, 5554..5613		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972

Name	OJ990312_13.9819.C2.o3.np	Method	AAT/NAP
Start	3385	End	9483
GI	3004557	Score	447
Exons	3385..3411, 4176..4281, 6978..7100, 7187..7393, 7483..7553, 9446..9483		
GI Descrip.	(AC003673) plasma membrane proton ATPase (PMA) [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o1.np	Method	AAT/NAP
Start	3895	End	10842
GI	6069646	Score	450
Exons	3895..4137, 4685..5257, 10774..10842		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o2.np	Method	AAT/NAP
Start	6697	End	7013
GI	170292	Score	99
Exons	6697..7013		
GI Descrip.	(M80492) plasma membrane H+ ATPase [Nicotiana plumbaginifolia]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o2.gp	Method	AAT/GAP
Start	8981	End	9527
GI	29830_1.R1084	Score	997
Exons	8981..9527		
GI Descrip.	'3914212/sp|P97608|OPLA_RAT 1.0e-23 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o5.np	Method	AAT/NAP
Start	9104	End	12972
GI	3914212	Score	3609
Exons	9104..12972		
GI Descrip.	5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) gi|1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8256	Strand	-
Start	3122	End	12972
Name	OJ990312_13.9819.C2.o3.gp	Method	AAT/GAP
Start	11029	End	11525
GI	uC-osflm202111d01b1	Score	963

Exons	11029..11525		
GI Descrip.	'3914212/sp|P97608|OPLA_RAT 2.0e-32 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8257	Strand	-
Start	34342	End	36528
Name	OJ990312_13.9819.C2.o7.gs	Method	GENSCAN
Start	34342	End	36528
GI	none	Score	.57
Exons	34342..35004, 35073..35153, 35475..35570, 35671..35735, 36258..36339, 36427..36528		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8258	Strand	-
Start	47752	End	48500
Name	OJ990312_13.9819.C2.o9.gs	Method	GENSCAN
Start	47752	End	48500
GI	none	Score	.65
Exons	47752..48080, 48410..48500		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8259	Strand	-
Start	52101	End	53623
Name	OJ990312_13.9819.C2.o10.np	Method	AAT/NAP
Start	52101	End	53623
GI	4678208	Score	1455
Exons	52101..53623		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o6.tc	Method	TBLASTX:Cress
Start	3175	End	3690
GI	none	Score	246
Exons	3175..3414, 3175..3228, 3176..3412, 3477..3572, 3502..3567, 3661..3690		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o16.tm	Method	TBLASTX:Maize
Start	4003	End	46715
GI	none	Score	104
Exons	4003..4086, 4674..4913, 4685..4912, 4922..5086, 8270..8413, 46251..46493, 46266..46457, 46545..46715, 46575..46712		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	4775	End	46451
GI	none	Score	286
Exons	4775..5062, 8126..8437, 8270..8413, 46302..46451		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	6722	End	7551
GI	none	Score	43
Exons	6722..6793, 6751..6780, 6787..6876, 6842..6880, 6978..7103, 6979..7104, 7030..7104, 7187..7396, 7188..7394, 7477..7551, 7481..7543		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	6751	End	16980
GI	none	Score	40
Exons	6751..6789, 6752..6787, 6769..6876, 6787..6876, 6976..7104, 6978..7103, 7185..7331, 7187..7375, 7187..7396, 7188..7394, 7477..7551, 7490..7549, 16873..16980		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	6976	End	7531
GI	none	Score	140
Exons	6976..7104, 6978..7103, 7187..7396, 7188..7394, 7477..7530, 7490..7531		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	6976	End	7551
GI	none	Score	148
Exons	6976..7104, 6978..7103, 7185..7373, 7187..7396, 7188..7394, 7477..7551, 7481..7549		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o17.tm	Method	TBLASTX:Maize
Start	8515	End	8773
GI	none	Score	217
Exons	8515..8661, 8516..8773		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o11.tm	Method	TBLASTX:Maize
Start	9169	End	9486
GI	none	Score	319
Exons	9169..9486, 9169..9486		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748

Name	OJ990312_13.9819.C2.o9.tc	Method	TBLASTX:Cress
Start	9205	End	9391
GI	none	Score	123
Exons	9205..9390, 9206..9310, 9208..9390, 9269..9391		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	9478	End	10041
GI	none	Score	88
Exons	9478..10041, 9485..9571, 9507..9677, 9650..9994, 9894..10034		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	9488	End	10342
GI	none	Score	133
Exons	9488..9571, 9490..10341, 9496..10341, 9644..10342, 9650..10342		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o9.ts	Method	TBLASTX:Soybean
Start	10159	End	10412
GI	none	Score	82
Exons	10159..10248, 10172..10249, 10214..10252, 10261..10410, 10271..10411, 10301..10411, 10302..10412		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	10421	End	10738
GI	none	Score	463
Exons	10421..10738, 10421..10735, 10423..10737		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	10961	End	11365
GI	none	Score	530
Exons	10961..11365, 10963..11364		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o19.ts	Method	TBLASTX:Soybean
Start	11659	End	11839
GI	none	Score	106
Exons	11659..11838, 11681..11839		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748

Name	OJ990312_13.9819.C2.o7.tc	Method	TBLASTX:Cress
Start	12315	End	12700
GI	none	Score	237
Exons	12315..12470, 12316..12507, 12317..12505, 12319..12510, 12583..12699, 12587..12700		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o15.ts	Method	TBLASTX:Soybean
Start	12583	End	12756
GI	5175354	Score	174
Exons	12583..12756, 12590..12754		
GI Descrip.	3914212/sp_P97608_OPLA_RAT 4.0e-13 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o12.tc	Method	TBLASTX:Cress
Start	14198	End	14357
GI	none	Score	199
Exons	14198..14350, 14199..14357		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o17.ts	Method	TBLASTX:Soybean
Start	14202	End	14366
GI	4301121	Score	207
Exons	14202..14366, 14216..14365		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o20.ts	Method	TBLASTX:Soybean
Start	18470	End	19715
GI	none	Score	165
Exons	18470..18622, 18472..18600, 19579..19713, 19584..19715, 19585..19710, 19586..19714		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	19575	End	25113
GI	none	Score	77
Exons	19575..19745, 20063..20332, 23922..24017, 23922..24017, 23923..24018, 23927..24019, 24126..24257, 24129..24257, 24131..24259, 24131..24259, 24340..24492, 24341..24496, 24572..24646, 24573..24650, 24573..24650, 24806..25003, 24813..25004, 24822..25004, 25074..25109, 25078..25113, 25079..25111		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2

Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o7.ts	Method	TBLASTX:Soybean
Start	20063	End	26278
GI	none	Score	209
Exons	20063..20332, 24131..24265, 24132..24257, 24340..24492, 24341..24496, 24572..24646, 24573..24650, 24812..24982, 24812..25003, 24822..25004, 25078..25221, 25079..25249, 25079..25246, 26166..26258, 26171..26278		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o16.ts	Method	TBLASTX:Soybean
Start	20332	End	20531
GI	none	Score	214
Exons	20332..20517, 20333..20482, 20334..20531, 20335..20514		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o10.tm	Method	TBLASTX:Maize
Start	21221	End	27272
GI	none	Score	66
Exons	21221..21313, 21874..21969, 21876..21968, 21952..22068, 22250..22468, 22297..22467, 26138..26278, 26139..26261, 26170..26307, 26181..26309, 26366..26560, 26367..26561, 26371..26562, 26738..26923, 26749..26910, 26754..26912, 27066..27119, 27067..27117, 27201..27272, 27202..27258		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o11.ts	Method	TBLASTX:Soybean
Start	21880	End	26576
GI	none	Score	90
Exons	21880..21960, 21891..21959, 21988..22068, 21988..22056, 26370..26456, 26381..26455, 26455..26544, 26456..26545, 26456..26575, 26457..26576		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o5.tc	Method	TBLASTX:Cress
Start	21952	End	27126
GI	none	Score	207
Exons	21952..22104, 21954..22034, 21965..22117, 22250..22504, 22294..22497, 26460..26531, 26804..26923, 26863..26919, 27067..27126		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o6.ts	Method	TBLASTX:Soybean
Start	22245	End	27126
GI	none	Score	121
Exons	22245..22553, 22247..22555, 22249..22545, 22250..22555,		

22294..22563, 26828..26923, 27067..27126

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	22297	End	27591
GI	none	Score	233
Exons	22297..22485, 22298..22519, 26855..26923, 26860..26910, 27033..27119, 27067..27117, 27201..27278, 27201..27278, 27460..27591, 27460..27552, 27464..27571		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o18.ts	Method	TBLASTX:Soybean
Start	22931	End	23357
GI	none	Score	69
Exons	22931..23008, 22961..23008, 23124..23225, 23125..23226, 23137..23226, 23281..23346, 23296..23355, 23301..23357		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	30605	End	31405
GI	none	Score	101
Exons	30605..30769, 30864..31160, 30888..31184, 31265..31405, 31282..31374		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	30659	End	31408
GI	none	Score	99
Exons	30659..30769, 30864..31160, 30911..31147, 31259..31408		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o9.tm	Method	TBLASTX:Maize
Start	30659	End	33457
GI	none	Score	109
Exons	30659..30760, 30855..31160, 30911..31159, 31244..31408, 31585..31749, 31593..31778, 31847..31921, 31848..31943, 32035..32133, 32519..32614, 32520..32615, 32836..32928, 32862..32924, 33016..33156, 33017..33094, 33207..33257, 33208..33255, 33260..33457, 33335..33448		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o10.ts	Method	TBLASTX:Soybean
Start	31578	End	32103
GI	none	Score	157
Exons	31578..31778, 31585..31764, 31844..31942, 31844..31918,		

31848..31943, 32034..32099, 32035..32103

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o13.ts	Method	TBLASTX:Soybean
Start	32520	End	33436
GI	none	Score	91
Exons	32520..32615, 32862..32933, 32863..32928, 33016..33150, 33017..33094, 33202..33255, 33335..33436		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o14.tm	Method	TBLASTX:Maize
Start	34357	End	35328
GI	none	Score	63
Exons	34357..34422, 34358..34447, 34365..34442, 34417..34470, 34418..34471, 34424..34561, 34433..34630, 34528..34707, 34528..34653, 34610..34705, 34725..34820, 34726..34821, 34749..34868, 34891..35016, 34936..35040, 35068..35154, 35070..35135, 35071..35142, 35072..35155, 35085..35156, 35242..35328, 35253..35321, 35254..35322		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o14.ts	Method	TBLASTX:Soybean
Start	36111	End	36525
GI	none	Score	39
Exons	36111..36158, 36112..36168, 36248..36340, 36253..36339, 36424..36525, 36425..36502		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o15.tm	Method	TBLASTX:Maize
Start	36111	End	37177
GI	none	Score	65
Exons	36111..36167, 36112..36168, 36112..36168, 36248..36394, 36249..36341, 36253..36345, 36418..36507, 36424..36525, 36425..36520, 36426..36521, 36891..36953, 36904..36969, 36906..36980, 37070..37177, 37080..37166		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o14.tc	Method	TBLASTX:Cress
Start	36248	End	36525
GI	none	Score	67
Exons	36248..36367, 36253..36339, 36424..36525, 36425..36508		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o7.tw	Method	TBLASTX:Wheat
Start	36268	End	36969

GI	none	Score	84
Exons	36268..36342, 36268..36345, 36272..36367, 36424..36525, 36425..36529, 36425..36529, 36888..36953, 36904..36969		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o13.tm	Method	TBLASTX:Maize
Start	38984	End	40262
GI	none	Score	71
Exons	38984..39034, 38985..39035, 39447..39503, 39464..39502, 39574..39672, 39581..39673, 39826..40008, 39827..40009, 40063..40119, 40224..40262		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o12.ts	Method	TBLASTX:Soybean
Start	38985	End	40012
GI	none	Score	72
Exons	38985..39035, 39447..39503, 39464..39499, 39574..39669, 39581..39673, 39827..40012, 39835..40008		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o13.tc	Method	TBLASTX:Cress
Start	38985	End	40012
GI	none	Score	73
Exons	38985..39035, 39447..39536, 39574..39672, 39581..39673, 39842..39886, 39883..40008, 39884..40012		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	42032	End	45691
GI	none	Score	44
Exons	42032..42076, 42092..42202, 42093..42200, 42094..42201, 43057..43920, 43058..43915, 43269..43916, 43774..43917, 44595..44762, 44596..44763, 44844..44972, 44845..44973, 44846..44989, 44970..45164, 44971..45072, 45040..45099, 45291..45377, 45299..45370, 45497..45580, 45498..45581, 45524..45691, 45525..45674		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	42032	End	45691
GI	none	Score	44
Exons	42032..42076, 42092..42202, 42093..42200, 42094..42201, 43057..43920, 43058..43915, 43774..43917, 44595..44762, 44596..44763, 44844..44972, 44845..44973, 44970..45164, 44971..45072, 45040..45099, 45291..45377, 45299..45370, 45497..45580, 45498..45581, 45524..45691, 45525..45674		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	42137	End	45674
GI	none	Score	93
Exons	42137..42202, 43054..43392, 43058..43390, 43400..43645, 43418..43603, 43664..43690, 43697..43750, 43705..43911, 43781..43912, 44596..44700, 44845..44913, 44920..45054, 44952..45035, 45031..45099, 45497..45565, 45498..45674		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	42161	End	43282
GI	none	Score	60
Exons	42161..42202, 43054..43128, 43058..43129, 43123..43281, 43124..43282		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	52163	End	53054
GI	none	Score	68
Exons	52163..52240, 52163..52474, 52242..52472, 52502..52837, 52503..52838, 52841..53053, 52842..53054		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	52175	End	53497
GI	none	Score	396
Exons	52175..52822, 52242..52823, 52829..53497, 52830..53483		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o10.tc	Method	TBLASTX:Cress
Start	52190	End	52442
GI	none	Score	61
Exons	52190..52441, 52260..52325, 52377..52442		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	52658	End	53116
GI	none	Score	143
Exons	52658..53116, 52683..52886, 52847..52999, 52956..53069		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o2.tw	Method	TBLASTX:Wheat

Start	52842	End	53126
GI	none	Score	198
Exons	52842..53126, 52844..53125		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	53054	End	53497
GI	none	Score	393
Exons	53054..53497, 53055..53483		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o11.tc	Method	TBLASTX:Cress
Start	53238	End	53483
GI	none	Score	152
Exons	53238..53483, 53240..53482		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o8.gp	Method	AAT/GAP
Start	54185	End	54596
GI	4716889	Score	502
Exons	54185..54596		
GI Descrip.	2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o12.tm	Method	TBLASTX:Maize
Start	54403	End	54720
GI	none	Score	202
Exons	54403..54519, 54404..54523, 54405..54524, 54406..54525, 54612..54719, 54613..54720		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	54403	End	54722
GI	none	Score	202
Exons	54403..54519, 54404..54523, 54404..54523, 54405..54524, 54579..54722, 54612..54719		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o8.ts	Method	TBLASTX:Soybean
Start	54404	End	54726
GI	none	Score	174
Exons	54404..54523, 54406..54519, 54591..54722, 54612..54719,		

54613..54723, 54613..54726

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o11.gs	Method	GENSCAN
Start	54406	End	54719
GI	none	Score	.99
Exons	54406..54522, 54615..54719		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o8.tc	Method	TBLASTX:Cress
Start	54406	End	54748
GI	none	Score	167
Exons	54406..54519, 54407..54523, 54407..54523, 54414..54524, 54579..54722, 54612..54719, 54613..54723, 54614..54748		

Seq. No.	3886	Seq. ID	OJ990312_13.9819.C2
Gene No.	8260	Strand	-
Start	54406	End	54748
Name	OJ990312_13.9819.C2.o11.np	Method	AAT/NAP
Start	54409	End	54719
GI	3738278	Score	303
Exons	54409..54522, 54615..54719		
GI Descrip.	(AC005309) putative small nuclear ribonucleoprotein D2 [Arabidopsis thaliana]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8261	Strand	+
Start	283	End	2571
Name	OJ990312_13.9819.C3.o1.gs	Method	GENSCAN
Start	283	End	1372
GI	none	Score	.51
Exons	283..595, 609..937, 1121..1372		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8261	Strand	+
Start	283	End	2571
Name	OJ990312_13.9819.C3.o1.np	Method	AAT/NAP
Start	537	End	2571
GI	3548810	Score	253
Exons	537..926, 2521..2571		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o2.np	Method	AAT/NAP
Start	3057	End	10080
GI	3135269	Score	315
Exons	3057..3124, 3517..3834, 3918..4169, 4829..5067, 5259..5451, 5694..6462, 6566..6635, 6733..6782, 6881..6979, 10040..10080		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o2.gs	Method	GENSCAN
Start	3527	End	11027
GI	none	Score	.89
Exons	3527..3834, 3918..4158, 4779..5080, 5275..5451, 5697..6461, 6541..6614, 6733..6795, 6891..6979, 7301..7948, 8682..8756, 9448..9518, 9602..9659, 10040..10238, 10331..10396, 10543..11027		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o3.np	Method	AAT/NAP
Start	4036	End	11027
GI	3135269	Score	435
Exons	4036..4169, 4829..5067, 5259..5451, 5694..6462, 6566..6635, 6733..6782, 6881..7146, 7639..7802, 7845..7951, 8682..8756, 9448..9518, 9602..9653, 10040..10381, 10449..10712, 10750..11027		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o4.np	Method	AAT/NAP
Start	10604	End	14270
GI	3695059	Score	713
Exons	10604..10650, 11874..12046, 12131..12687, 14252..14270		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o1.gp	Method	AAT/GAP
Start	10626	End	10976
GI	21137_1.R1084	Score	639
Exons	10626..10976		
GI Descrip.	'5902181/gb|AAD01211.2| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o3.gs	Method	GENSCAN
Start	11850	End	12710
GI	none	Score	.92
Exons	11850..12046, 12131..12710		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8262	Strand	+
Start	3527	End	14678
Name	OJ990312_13.9819.C3.o4.gs	Method	GENSCAN
Start	12998	End	14678
GI	none	Score	.6
Exons	12998..13043, 13250..13699, 14175..14246, 14340..14449, 14643..14678		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8263	Strand	+
Start	17531	End	19543
Name	OJ990312_13.9819.C3.o6.gs	Method	GENSCAN
Start	17531	End	19543
GI	none	Score	.55
Exons	17531..17940, 18024..18136, 18282..18529, 18605..18730, 19526..19543		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8264	Strand	+
Start	32281	End	33147
Name	OJ990312_13.9819.C3.o8.gs	Method	GENSCAN
Start	32281	End	33147
GI	none	Score	.96
Exons	32281..32666, 32739..32872, 32991..33147		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8265	Strand	-
Start	16754	End	17107
Name	OJ990312_13.9819.C3.o5.gs	Method	GENSCAN
Start	16754	End	17107
GI	none	Score	.98
Exons	16754..17107		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	537	End	923
GI	none	Score	68
Exons	537..575, 585..692, 723..800, 861..923		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o3.tc	Method	TBLASTX:Cress
Start	540	End	923
GI	none	Score	48
Exons	540..575, 585..692, 726..923		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o7.tm	Method	TBLASTX:Maize
Start	5694	End	5946
GI	none	Score	130
Exons	5694..5780, 5695..5928, 5696..5785, 5701..5787, 5776..5946, 5784..5945		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	6355	End	7018
GI	none	Score	62
Exons	6355..6429, 6358..6417, 6417..6461, 6529..6636, 6539..6637,		

6730..6795, 6733..6798, 6889..7017, 6890..6982, 6890..7018

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	7527	End	9658
GI	none	Score	100
Exons	7527..7664, 7529..7648, 7533..7664, 7546..7671, 7669..7950, 7674..7946, 7680..7967, 7691..7951, 8682..8756, 8682..8759, 9381..9518, 9445..9519, 9587..9658, 9588..9656		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	10039	End	10693
GI	none	Score	181
Exons	10039..10227, 10073..10228, 10098..10232, 10113..10235, 10340..10420, 10341..10400, 10542..10595, 10542..10631, 10646..10693		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o8.tm	Method	TBLASTX:Maize
Start	10841	End	11027
GI	none	Score	187
Exons	10841..11026, 10908..11027		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	11921	End	12689
GI	none	Score	140
Exons	11921..12046, 11922..12023, 12128..12205, 12129..12338, 12251..12427, 12338..12688, 12339..12689		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	12125	End	12587
GI	none	Score	239
Exons	12125..12334, 12129..12335, 12341..12457, 12342..12587		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	12138	End	12614
GI	none	Score	247
Exons	12138..12338, 12140..12205, 12251..12337, 12338..12601, 12339..12614		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3

Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	12390	End	12689
GI	none	Score	282
Exons	12390..12689, 12521..12688		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o7.gs	Method	GENSCAN
Start	20671	End	30905
GI	none	Score	.55
Exons	20671..20719, 21571..21642, 23323..23460, 25356..25560, 26615..26663, 27918..28006, 28740..29043, 30840..30905		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o5.np	Method	AAT/NAP
Start	21057	End	21646
GI	2285792	Score	82
Exons	21057..21213, 21571..21646		
GI Descrip.	(AB004568) cyanase [Arabidopsis thaliana] gi|3287503|dbj|BAA31224| (AB015748) cyanase [Arabidopsis thaliana]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o2.gp	Method	AAT/GAP
Start	22538	End	23283
GI	3763448	Score	722
Exons	22538..22723, 22804..22892, 22990..23053, 23182..23283		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o7.np	Method	AAT/NAP
Start	24706	End	32374
GI	5295969	Score	138
Exons	24706..24775, 28730..29043, 32345..32374		
GI Descrip.	(AB026295) ESTD24835(R2634) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T06D20 genomic sequence, complete sequence.(U90439) [Oryza sativa]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	25297	End	25594
GI	none	Score	78
Exons	25297..25431, 25356..25433, 25433..25495, 25436..25495, 25493..25543, 25509..25544, 25526..25594, 25549..25593		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3

Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o6.np	Method	AAT/NAP
Start	26003	End	29246
GI	131136	Score	657
Exons	26003..26608, 29206..29246		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|72671|pir||A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi|11982|emb|CAA33996| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi|226605|prf||1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o2.tc	Method	TBLASTX:Cress
Start	26168	End	26612
GI	none	Score	112
Exons	26168..26260, 26270..26344, 26411..26611, 26412..26612		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	26168	End	26612
GI	none	Score	64
Exons	26168..26260, 26264..26344, 26411..26578, 26411..26611, 26412..26612		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	26168	End	26612
GI	none	Score	116
Exons	26168..26260, 26264..26344, 26388..26612, 26411..26611		

Seq. No.	3887	Seq. ID	OJ990312_13.9819.C3
Gene No.	8266	Strand	-
Start	20671	End	32374
Name	OJ990312_13.9819.C3.o3.gp	Method	AAT/GAP
Start	26844	End	27296
GI	572451	Score	893
Exons	26844..27296		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4
Gene No.	8267	Strand	+
Start	458	End	563
Name	OJ990312_13.9819.C4.o1.gp	Method	AAT/GAP
Start	458	End	563
GI	29830_1.R1084	Score	105
Exons	458..563		
GI Descrip.	'3914212/sp|P97608|OPLA_RAT 1.0e-23 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4

Gene No.	8268	Strand	-
Start	1	End	736
Name	OJ990312_13.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	736
GI	3695059	Score	433
Exons	1..483, 689..736		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4
Gene No.	8268	Strand	-
Start	1	End	736
Name	OJ990312_13.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	24	End	269
GI	none	Score	55
Exons	24..269, 43..138		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4
Gene No.	8268	Strand	-
Start	1	End	736
Name	OJ990312_13.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	24	End	455
GI	none	Score	119
Exons	24..320, 43..321, 232..408, 321..455		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4
Gene No.	8268	Strand	-
Start	1	End	736
Name	OJ990312_13.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	45	End	455
GI	none	Score	111
Exons	45..320, 58..321, 321..455, 322..408		

Seq. No.	3888	Seq. ID	OJ990312_13.9819.C4
Gene No.	8268	Strand	-
Start	1	End	736
Name	OJ990312_13.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	72	End	455
GI	none	Score	109
Exons	72..317, 202..318, 324..455, 348..443		

Seq. No.	3889	Seq. ID	OJ990312_13.9819.C6
Gene No.	8269	Strand	-
Start	1	End	746
Name	OJ990312_13.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	746
GI	6016871	Score	362
Exons	1..746		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3889	Seq. ID	OJ990312_13.9819.C6
Gene No.	8269	Strand	-
Start	1	End	746
Name	OJ990312_13.9819.C6.o1.gs	Method	GENSCAN
Start	20	End	718
GI	none	Score	.81
Exons	20..718		

Seq. No.	3889	Seq. ID	OJ990312_13.9819.C6
Gene No.	8269	Strand	-
Start	1	End	746
Name	OJ990312_13.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	395	End	676
GI	none	Score	66
Exons	395..487, 408..482, 497..676,	506..562	

Seq. No.	3890	Seq. ID	OJ990312_13.9819.C7
Gene No.	8270	Strand	-
Start	293	End	564
Name	OJ990312_13.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	146	End	560
GI	none	Score	39
Exons	146..193, 147..203, 283..375,	288..374, 459..560, 460..537	

Seq. No.	3890	Seq. ID	OJ990312_13.9819.C7
Gene No.	8270	Strand	-
Start	293	End	564
Name	OJ990312_13.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	147	End	560
GI	none	Score	79
Exons	147..203, 147..203, 283..429,	284..376, 288..380, 453..542,	
	459..560, 460..555, 461..556		

Seq. No.	3890	Seq. ID	OJ990312_13.9819.C7
Gene No.	8270	Strand	-
Start	293	End	564
Name	OJ990312_13.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	283	End	560
GI	none	Score	67
Exons	283..402, 288..374, 453..542,	459..560, 460..543	

Seq. No.	3890	Seq. ID	OJ990312_13.9819.C7
Gene No.	8270	Strand	-
Start	293	End	564
Name	OJ990312_13.9819.C7.o1.gs	Method	GENSCAN
Start	293	End	554
GI	none	Score	.46
Exons	293..374, 462..554		

Seq. No.	3890	Seq. ID	OJ990312_13.9819.C7
Gene No.	8270	Strand	-
Start	293	End	564
Name	OJ990312_13.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	303	End	564
GI	none	Score	84
Exons	303..377, 303..380, 307..402,	459..560, 460..564	

Seq. No.	3891	Seq. ID	OJ990312_13.9819.C8
Gene No.	8271	Strand	+
Start	132	End	392
Name	OJ990312_13.9819.C8.o1.gs	Method	GENSCAN
Start	132	End	392
GI	none	Score	.65
Exons	132..196, 297..392		

Seq. No.	3892	Seq. ID	OJ990312_13.9819.C9
Gene No.	8272	Strand	+
Start	218	End	246
Name	OJ990312_13.9819.C9.o1.gs	Method	GENSCAN
Start	218	End	246
GI	none	Score	.49
Exons	218..246		

Seq. No.	3893	Seq. ID	OJ990312_13.9819.C11
Gene No.	8273	Strand	+
Start	1	End	575
Name	OJ990312_13.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	575
GI	131136	Score	440
Exons	1..575		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|72671|pir||A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi|11982|emb|CAA33996| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi|226605|prf||1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	3894	Seq. ID	OJ990312_13.9819.C12
Gene No.	8274	Strand	+
Start	1	End	758
Name	OJ990312_13.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	758
GI	131136	Score	388
Exons	1..339, 707..758		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|72671|pir||A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi|11982|emb|CAA33996| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi|226605|prf||1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	92	End	708
GI	none	Score	319
Exons	92..526, 96..632, 103..708, 103..702, 105..704		

Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	92	End	708
GI	none	Score	319
Exons	92..526, 96..632, 103..708, 103..702, 105..704		

Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	99	End	666
GI	none	Score	386

Exons	99..422, 106..420, 430..666, 448..633		
Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	103	End	312
GI	none	Score	92
Exons	103..159, 153..311, 154..312		
Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.gs	Method	GENSCAN
Start	188	End	420
GI	none	Score	.5
Exons	188..420		
Seq. No.	3895	Seq. ID	OJ990312_13.9819.C13
Gene No.	8275	Strand	+
Start	188	End	725
Name	OJ990312_13.9819.C13.o1.np	Method	AAT/NAP
Start	226	End	725
GI	3342242	Score	646
Exons	226..725		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		
Seq. No.	3896	Seq. ID	OJ990312_13.9819.C14
Gene No.	8276	Strand	+
Start	1	End	738
Name	OJ990312_13.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	738
GI	3695059	Score	367
Exons	1..318, 402..738		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		
Seq. No.	3896	Seq. ID	OJ990312_13.9819.C14
Gene No.	8276	Strand	+
Start	1	End	738
Name	OJ990312_13.9819.C14.o1.gs	Method	GENSCAN
Start	123	End	578
GI	none	Score	.74
Exons	123..318, 355..578		
Seq. No.	3896	Seq. ID	OJ990312_13.9819.C14
Gene No.	8276	Strand	+
Start	1	End	738
Name	OJ990312_13.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	193	End	736
GI	none	Score	107
Exons	193..318, 194..295, 428..571, 429..587, 610..705, 614..736		
Seq. No.	3896	Seq. ID	OJ990312_13.9819.C14
Gene No.	8276	Strand	+
Start	1	End	738
Name	OJ990312_13.9819.C14.o1.ts	Method	TBLASTX:Soybean

Start	422	End	736
GI	none	Score	167
Exons	422..535, 423..587, 486..593, 610..735, 611..736		

Seq. No.	3896	Seq. ID	OJ990312_13.9819.C14
Gene No.	8276	Strand	+
Start	1	End	738
Name	OJ990312_13.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	426	End	736
GI	none	Score	177
Exons	426..587, 428..580, 611..736		

Seq. No.	3897	Seq. ID	OJ990312_05.9819.C1
Gene No.	8277	Strand	-
Start	1	End	1309
Name	OJ990312_05.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	5441880	Score	1050
Exons	1..121, 303..1309		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3897	Seq. ID	OJ990312_05.9819.C1
Gene No.	8277	Strand	-
Start	1	End	1309
Name	OJ990312_05.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	73	End	451
GI	none	Score	57
Exons	73..132, 97..225, 110..247, 186..248, 272..448, 297..449, 302..451		

Seq. No.	3897	Seq. ID	OJ990312_05.9819.C1
Gene No.	8277	Strand	-
Start	1	End	1309
Name	OJ990312_05.9819.C1.o1.gs	Method	GENSCAN
Start	107	End	832
GI	none	Score	.61
Exons	107..832		

Seq. No.	3897	Seq. ID	OJ990312_05.9819.C1
Gene No.	8277	Strand	-
Start	1	End	1309
Name	OJ990312_05.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	167	End	745
GI	none	Score	185
Exons	167..220, 267..566, 278..745, 618..740		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8278	Strand	-
Start	76	End	363
Name	OJ990312_05.9819.C2.o1.gs	Method	GENSCAN
Start	76	End	363
GI	none	Score	.61
Exons	76..177, 310..363		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2

Gene No.	8279	Strand	-
Start	2311	End	4290
Name	OJ990312_05.9819.C2.o1.gp	Method	AAT/GAP
Start	1530	End	2921
GI	none	Score	985
Exons	1530..1841, 2364..2424, 2616..2743, 2836..2921		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8279	Strand	-
Start	2311	End	4290
Name	OJ990312_05.9819.C2.o2.gs	Method	GENSCAN
Start	2311	End	4254
GI	none	Score	.95
Exons	2311..2424, 2616..2743, 2836..3010, 3500..3530, 3669..3982, 4060..4254		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8279	Strand	-
Start	2311	End	4290
Name	OJ990312_05.9819.C2.o2.gp	Method	AAT/GAP
Start	3704	End	4290
GI	none	Score	949
Exons	3704..3982, 4060..4290		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	1770	End	3826
GI	none	Score	66
Exons	1770..1841, 1771..1863, 1771..1842, 2341..2418, 2365..2418, 2369..2425, 2640..2744, 2646..2744, 2665..2745, 2814..3005, 2837..3013, 2837..3013, 3134..3199, 3500..3538, 3504..3554, 3551..3571, 3555..3572, 3666..3815, 3668..3826		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	1771	End	3175
GI	none	Score	93
Exons	1771..1836, 2652..2744, 2814..3005, 2837..3004, 3090..3173, 3102..3140, 3134..3175		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	2680	End	4116
GI	none	Score	109
Exons	2680..2748, 2680..2721, 2682..2771, 2684..2785, 2840..3013, 2841..3011, 3105..3140, 3113..3193, 3123..3188, 3134..3199, 3185..3220, 3192..3221, 3499..3561, 3500..3571, 3500..3571, 3504..3572, 3505..3573, 3666..3827, 3666..3821, 3668..3862, 3895..3948, 4064..4114, 4066..4116		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2

Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	3503	End	3854
GI	none	Score	34
Exons	3503..3538, 3504..3545, 3548..3577, 3552..3584, 3669..3854, 3671..3823		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o3.gs	Method	GENSCAN
Start	4814	End	5596
GI	none	Score	.84
Exons	4814..5596		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o1.np	Method	AAT/NAP
Start	4889	End	5644
GI	3695389	Score	777
Exons	4889..5644		
GI Descrip.	(AF096371) contains similarity to D-isomer specific 2-hydroxyacid dehydrogenases (Pfam: 2-Hacid_DH.hmm, score: 19.11) [Arabidopsis thaliana]		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	4931	End	5237
GI	none	Score	269
Exons	4931..5236, 4932..5234, 5094..5237		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	4943	End	5099
GI	none	Score	159
Exons	4943..5098, 4944..5099		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	5009	End	5287
GI	none	Score	82
Exons	5009..5287, 5034..5180		

Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	5024	End	5395
GI	none	Score	95

Exons	5024..5311, 5034..5240, 5294..5353, 5333..5395		
Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	5156	End	5602
GI	none	Score	233
Exons	5156..5218, 5225..5602, 5295..5594, 5426..5602		
Seq. No.	3898	Seq. ID	OJ990312_05.9819.C2
Gene No.	8280	Strand	-
Start	4814	End	5644
Name	OJ990312_05.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	5336	End	5621
GI	none	Score	135
Exons	5336..5620, 5337..5621		
Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.np	Method	AAT/NAP
Start	165	End	2625
GI	2828294	Score	695
Exons	165..465, 1060..1211, 1343..1465, 2424..2625		
GI Descrip.	(AL021687) putatative protein [Arabidopsis thaliana]		
Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.gs	Method	GENSCAN
Start	181	End	2116
GI	none	Score	.45
Exons	181..397, 944..1157, 1346..1465, 1909..2116		
Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.gp	Method	AAT/GAP
Start	193	End	1211
GI	uC-osf1M202123h02b1	Score	743
Exons	193..465, 1060..1211		
GI Descrip.	'2828294/emb|CAA16708.1| 5.0e-43 (AL021687) putatative protein [Arabidopsis thaliana]'		
Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	208	End	1158
GI	none	Score	372
Exons	208..468, 282..467, 1036..1158, 1051..1152		
Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.tc	Method	TBLASTX:Cress

Start	214	End	2478
GI	none	Score	334
Exons	214..468, 282..464, 1051..1149, 1063..1158, 1386..1475, 1388..1474, 2421..2477, 2422..2478		

Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	1093	End	2658
GI	none	Score	107
Exons	1093..1173, 1096..1173, 1347..1466, 1347..1466, 1354..1467, 1354..1467, 1355..1468, 1376..1474, 2384..2623, 2386..2625, 2418..2606, 2422..2658		

Seq. No.	3899	Seq. ID	OJ990312_05.9819.C3
Gene No.	8281	Strand	+
Start	165	End	2658
Name	OJ990312_05.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	1386	End	2559
GI	none	Score	134
Exons	1386..1475, 1388..1474, 2414..2545, 2421..2552, 2422..2559		

Seq. No.	3900	Seq. ID	OJ990312_05.9819.C4
Gene No.	8282	Strand	-
Start	265	End	1541
Name	OJ990312_05.9819.C4.o1.gp	Method	AAT/GAP
Start	265	End	1541
GI	none	Score	1004
Exons	265..557, 771..839, 1326..1541		

Seq. No.	3900	Seq. ID	OJ990312_05.9819.C4
Gene No.	8282	Strand	-
Start	265	End	1541
Name	OJ990312_05.9819.C4.o1.gs	Method	GENSCAN
Start	451	End	1509
GI	none	Score	.87
Exons	451..557, 771..833, 1326..1509		

Seq. No.	3901	Seq. ID	OJ990312_05.9819.C5
Gene No.	8283	Strand	-
Start	99	End	215
Name	OJ990312_05.9819.C5.o1.gs	Method	GENSCAN
Start	99	End	215
GI	none	Score	.6
Exons	99..215		

Seq. No.	3901	Seq. ID	OJ990312_05.9819.C5
Gene No.	8284	Strand	-
Start	1709	End	2483
Name	OJ990312_05.9819.C5.o2.gs	Method	GENSCAN
Start	1709	End	2483
GI	none	Score	.71
Exons	1709..1919, 2392..2483		

Seq. No.	3902	Seq. ID	OJ990312_05.9819.C6
Gene No.	8285	Strand	-

Start	1	End	1912
Name	OJ990312_05.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	5441880	Score	622
Exons	1..514, 623..762, 1364..1693, 1832..1912		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3903	Seq. ID	OJ990312_05.9819.C7
Gene No.	8286	Strand	+
Start	345	End	1182
Name	OJ990312_05.9819.C7.o1.gs	Method	GENSCAN
Start	345	End	1182
GI	none	Score	.5
Exons	345..473, 862..1182		

Seq. No.	3904	Seq. ID	OJ990312_05.9819.C8
Gene No.	8287	Strand	+
Start	1	End	1598
Name	OJ990312_05.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1598
GI	5032119	Score	119
Exons	1..382, 1201..1305, 1355..1468, 1496..1598		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	3904	Seq. ID	OJ990312_05.9819.C8
Gene No.	8287	Strand	+
Start	1	End	1598
Name	OJ990312_05.9819.C8.o2.gs	Method	GENSCAN
Start	1122	End	1580
GI	none	Score	.98
Exons	1122..1282, 1373..1580		

Seq. No.	3904	Seq. ID	OJ990312_05.9819.C8
Gene No.	8288	Strand	-
Start	106	End	349
Name	OJ990312_05.9819.C8.o1.gs	Method	GENSCAN
Start	106	End	349
GI	none	Score	.71
Exons	106..170, 215..349		

Seq. No.	3905	Seq. ID	OJ990312_05.9819.C9
Gene No.	8289	Strand	-
Start	328	End	4360
Name	OJ990312_05.9819.C9.o1.gs	Method	GENSCAN
Start	328	End	4360
GI	none	Score	.75
Exons	328..538, 2239..2315, 2421..2529, 2966..3079, 4305..4360		

Seq. No.	3905	Seq. ID	OJ990312_05.9819.C9
Gene No.	8289	Strand	-
Start	328	End	4360
Name	OJ990312_05.9819.C9.o1.gp	Method	AAT/GAP
Start	4141	End	4357

GI	uC-osrocyp017f09b1	Score	392
Exons	4141..4357		
GI Descrip.	'2979560 5.0e-10 (AC003680) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8290	Strand	+
Start	1	End	2492
Name	OJ990312_05.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	2492
GI	2979560	Score	583
Exons	1..384, 1609..1789, 1889..1948, 2355..2492		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8291	Strand	+
Start	2617	End	4994
Name	OJ990312_05.9819.C10.o2.gp	Method	AAT/GAP
Start	2617	End	4994
GI	none	Score	2094
Exons	2617..2669, 2772..2840, 2943..3038, 3228..3272, 3648..3718, 3878..3944, 4032..4082, 4158..4319, 4422..4994		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8292	Strand	-
Start	31	End	238
Name	OJ990312_05.9819.C10.o1.gp	Method	AAT/GAP
Start	31	End	238
GI	uC-osrocyp017f09b1	Score	385
Exons	31..238		
GI Descrip.	'2979560 5.0e-10 (AC003680) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8293	Strand	-
Start	5223	End	5519
Name	OJ990312_05.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	100	End	1792
GI	none	Score	172
Exons	100..276, 104..277, 311..385, 314..376, 1577..1651, 1610..1687, 1645..1791, 1646..1792, 1648..1791		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8293	Strand	-
Start	5223	End	5519
Name	OJ990312_05.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	203	End	3029
GI	none	Score	85
Exons	203..277, 205..276, 310..384, 311..385, 1610..1792, 1617..1790, 1618..1791, 1886..1948, 1889..1948, 2366..2533, 2368..2475, 2606..2680, 2607..2681, 2762..2809, 2763..2813, 2940..3029		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8293	Strand	-
Start	5223	End	5519
Name	OJ990312_05.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	1720	End	4202

GI	none	Score	116
Exons	1720..1791, 1721..1825, 1878..1946, 1888..1947, 1889..1948, 2366..2533, 2366..2533, 2368..2544, 2572..2670, 2600..2671, 2604..2675, 2606..2680, 2607..2681, 2738..2836, 2763..2840, 2769..2840, 2940..3041, 2942..3043, 2943..3041, 2947..3051, 3225..3275, 3227..3274, 3651..3719, 3651..3719, 3865..3951, 3878..3943, 3879..3956, 3879..3950, 3880..3960, 4029..4082, 4031..4081, 4155..4202, 4157..4198		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8293	Strand	-
Start	5223	End	5519
Name	OJ990312_05.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	2366	End	4313
GI	none	Score	243
Exons	2366..2533, 2367..2543, 2368..2544, 2368..2478, 2628..2663, 2649..2681, 2650..2670, 2745..2837, 2762..2845, 2942..3043, 4014..4082, 4155..4313		

Seq. No.	3906	Seq. ID	OJ990312_05.9819.C10
Gene No.	8293	Strand	-
Start	5223	End	5519
Name	OJ990312_05.9819.C10.o3.gp	Method	AAT/GAP
Start	5223	End	5519
GI	29792_1.R1084	Score	563
Exons	5223..5519		
GI Descrip.	'5002521/emb|CAB44324.1| 3.0e-14 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	4407
GI	5002521	Score	651
Exons	1..31, 903..1008, 1095..1147, 1598..1801, 1943..2651, 3689..3776, 3866..3972, 4055..4173, 4271..4407		
GI Descrip.	(AL078606) putative protein [Arabidopsis thaliana]		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o1.gs	Method	GENSCAN
Start	48	End	4173
GI	none	Score	.89
Exons	48..82, 477..541, 773..822, 904..1008, 1258..1339, 1428..1482, 1598..2651, 3689..3776, 3866..3972, 4040..4173		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	763	End	1335
GI	none	Score	48
Exons	763..822, 772..843, 902..1009, 904..1014, 904..1017, 1089..1184, 1093..1176, 1258..1335, 1259..1333		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o1.gp	Method	AAT/GAP
Start	773	End	1317
GI	29792_1.R1084	Score	493
Exons	773..822, 904..1008, 1095..1175, 1258..1317		
GI Descrip.	'5002521/emb|CAB44324.1| 3.0e-14 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1101	End	1483
GI	none	Score	45
Exons	1101..1184, 1102..1176, 1258..1374, 1259..1333, 1427..1483		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	1645	End	2071
GI	none	Score	134
Exons	1645..1773, 1646..1795, 1647..1886, 1803..1901, 1809..1904, 1905..1991, 1905..2018, 1906..1992, 2027..2065, 2039..2071		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o2.gp	Method	AAT/GAP
Start	2253	End	3726
GI	LIB3479-006-Q6-K1-G7	Score	806
Exons	2253..2651, 3689..3726		
GI Descrip.	'5002521/emb|CAB44324.1| 5.0e-18 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	3907	Seq. ID	OJ990312_05.9819.C11
Gene No.	8294	Strand	-
Start	1	End	4407
Name	OJ990312_05.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	3884	End	4338
GI	none	Score	134
Exons	3884..3976, 3886..3975, 4053..4181, 4067..4198, 4067..4186, 4266..4316, 4267..4338, 4269..4337		

Seq. No.	3908	Seq. ID	OJ990312_05.9819.C12
Gene No.	8295	Strand	+
Start	469	End	2520
Name	OJ990312_05.9819.C12.o1.gs	Method	GENSCAN
Start	469	End	2502
GI	none	Score	.41
Exons	469..517, 2282..2502		

Seq. No.	3908	Seq. ID	OJ990312_05.9819.C12
Gene No.	8295	Strand	+
Start	469	End	2520

Name	OJ990312_05.9819.C12.o1.np	Method	AAT/NAP
Start	1587	End	2520
GI	5441882	Score	154
Exons	1587..1695, 2248..2520		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana DNA contig fragment. (Z99707) [Oryza sativa]		

Seq. No.	3909	Seq. ID	OJ990312_05.9819.C13
Gene No.	8296	Strand	-
Start	239	End	750
Name	OJ990312_05.9819.C13.o1.gp	Method	AAT/GAP
Start	239	End	750
GI	LIB3434-038-P1-K1-F1	Score	704
Exons	239..750		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3910	Seq. ID	OJ990312_05.9819.C14
Gene No.	8297	Strand	+
Start	2942	End	5330
Name	OJ990312_05.9819.C14.o2.gs	Method	GENSCAN
Start	2942	End	5330
GI	none	Score	.65
Exons	2942..2956, 4246..4476, 4975..5330		

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o1.gp	Method	AAT/GAP
Start	1045	End	1447
GI	none	Score	752
Exons	1045..1447		

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o1.np	Method	AAT/NAP
Start	1276	End	2484
GI	3080369	Score	402
Exons	1276..1716, 1750..1845, 2095..2192, 2278..2484		
GI Descrip.	(AL022580) putative protein [Arabidopsis thaliana]		

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o1.gs	Method	GENSCAN
Start	1338	End	2484
GI	none	Score	.6
Exons	1338..1691, 1734..1845, 2065..2192, 2278..2484		

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2414
GI	none	Score	81
Exons	1632..1691, 1634..1690, 1754..1849, 1755..1844, 2063..2137,		

2064..2138, 2138..2194, 2151..2192, 2258..2377, 2266..2385, 2266..2370, 2271..2384, 2373..2414, 2375..2413

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o2.gp	Method	AAT/GAP
Start	1643	End	2490
GI	LIB3432-015-P1-K1-D7	Score	839
Exons	1643..1691, 1761..1845, 2065..2192, 2278..2490		
GI Descrip.	'3080369/emb|CAA18626.1| 2.0e-37 (AL022580) putative protein [Arabidopsis thaliana]'		

Seq. No.	3911	Seq. ID	OJ990312_05.9819.C15
Gene No.	8298	Strand	+
Start	1045	End	2490
Name	OJ990312_05.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	2096	End	2457
GI	none	Score	58
Exons	2096..2149, 2100..2159, 2266..2457, 2275..2388, 2277..2453		

Seq. No.	3912	Seq. ID	OJ990312_05.9819.C16
Gene No.	8299	Strand	-
Start	3130	End	5899
Name	OJ990312_05.9819.C16.o2.gs	Method	GENSCAN
Start	3130	End	5899
GI	none	Score	.65
Exons	3130..3239, 4391..4585, 5530..5899		

Seq. No.	3913	Seq. ID	OJ990312_05.9819.C17
Gene No.	8300	Strand	+
Start	134	End	211
Name	OJ990312_05.9819.C17.o1.gs	Method	GENSCAN
Start	134	End	211
GI	none	Score	.66
Exons	134..211		

Seq. No.	3913	Seq. ID	OJ990312_05.9819.C17
Gene No.	8301	Strand	-
Start	1222	End	4639
Name	OJ990312_05.9819.C17.o2.gs	Method	GENSCAN
Start	1222	End	1704
GI	none	Score	.68
Exons	1222..1238, 1515..1704		

Seq. No.	3913	Seq. ID	OJ990312_05.9819.C17
Gene No.	8301	Strand	-
Start	1222	End	4639
Name	OJ990312_05.9819.C17.o1.np	Method	AAT/NAP
Start	1384	End	4639
GI	5922620	Score	889
Exons	1384..1491, 2928..3043, 3080..3256, 3375..3537, 3622..3655, 4376..4400, 4446..4559, 4601..4639		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	3913	Seq. ID	OJ990312_05.9819.C17
Gene No.	8301	Strand	-
Start	1222	End	4639
Name	OJ990312_05.9819.C17.o3.gs	Method	GENSCAN
Start	2903	End	4639
GI	none	Score	.69
Exons	2903..3043, 3901..4050, 4376..4400, 4446..4639		

Seq. No.	3914	Seq. ID	OJ990312_05.9819.C18
Gene No.	8302	Strand	+
Start	173	End	1018
Name	OJ990312_05.9819.C18.o1.gs	Method	GENSCAN
Start	173	End	1018
GI	none	Score	.41
Exons	173..287, 361..419, 685..1018		

Seq. No.	3915	Seq. ID	OJ990312_05.9819.C19
Gene No.	8303	Strand	+
Start	5399	End	11839
Name	OJ990312_05.9819.C19.o1.gp	Method	AAT/GAP
Start	5044	End	5358
GI	572060	Score	457
Exons	5044..5358		

Seq. No.	3915	Seq. ID	OJ990312_05.9819.C19
Gene No.	8303	Strand	+
Start	5399	End	11839
Name	OJ990312_05.9819.C19.o2.gs	Method	GENSCAN
Start	5399	End	11007
GI	none	Score	.62
Exons	5399..5696, 5746..5976, 6089..6244, 6878..7015, 7110..7211, 7964..7999, 8829..9000, 9565..9937, 10083..10341, 10524..10738, 10954..11007		

Seq. No.	3915	Seq. ID	OJ990312_05.9819.C19
Gene No.	8303	Strand	+
Start	5399	End	11839
Name	OJ990312_05.9819.C19.o1.np	Method	AAT/NAP
Start	10231	End	11839
GI	3757515	Score	101
Exons	10231..10378, 10570..10718, 11784..11839		
GI Descrip.	(AC005167) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3915	Seq. ID	OJ990312_05.9819.C19
Gene No.	8304	Strand	-
Start	148	End	2212
Name	OJ990312_05.9819.C19.o1.gs	Method	GENSCAN
Start	148	End	2212
GI	none	Score	.42
Exons	148..1028, 1643..1771, 2083..2212		

Seq. No.	3915	Seq. ID	OJ990312_05.9819.C19
Gene No.	8305	Strand	
Start	5790	End	10346
Name	OJ990312_05.9819.C19.o1.tm	Method	TBLASTX:Maize

Start	5790	End	10346
GI	none	Score	259
Exons	5790..5960, 5791..5871, 5793..5960, 6080..6124, 6081..6122, 6105..6200, 6106..6234, 6910..6996, 7154..7222, 10155..10211, 10245..10346		

Seq. No.	3916	Seq. ID	OJ990312_05.9819.C20
Gene No.	8306	Strand	+
Start	170	End	2279
Name	OJ990312_05.9819.C20.o1.np	Method	AAT/NAP
Start	170	End	2279
GI	4378066	Score	711
Exons	170..2279		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	3916	Seq. ID	OJ990312_05.9819.C20
Gene No.	8306	Strand	+
Start	170	End	2279
Name	OJ990312_05.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	183	End	456
GI	none	Score	239
Exons	183..455, 184..456		

Seq. No.	3916	Seq. ID	OJ990312_05.9819.C20
Gene No.	8306	Strand	+
Start	170	End	2279
Name	OJ990312_05.9819.C20.o1.gs	Method	GENSCAN
Start	208	End	2257
GI	none	Score	.53
Exons	208..864, 969..1130, 1402..1710, 1892..2257		

Seq. No.	3916	Seq. ID	OJ990312_05.9819.C20
Gene No.	8306	Strand	+
Start	170	End	2279
Name	OJ990312_05.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	220	End	612
GI	none	Score	195
Exons	220..612		

Seq. No.	3916	Seq. ID	OJ990312_05.9819.C20
Gene No.	8306	Strand	+
Start	170	End	2279
Name	OJ990312_05.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	1495	End	1839
GI	none	Score	62
Exons	1495..1611, 1618..1839		

Seq. No.	3917	Seq. ID	OJ990312_05.9819.C21
Gene No.	8307	Strand	+
Start	1	End	523
Name	OJ990312_05.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	520
GI	4378066	Score	164
Exons	1..61, 208..520		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor]		

gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]

Seq. No.	3917	Seq. ID	OJ990312_05.9819.C21
Gene No.	8307	Strand	+
Start	1	End	523
Name	OJ990312_05.9819.C21.o1.gs	Method	GENSCAN
Start	236	End	523
GI	none	Score	.58
Exons	236..523		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8308	Strand	+
Start	139	End	4728
Name	OJ990312_05.9819.C22.o1.gs	Method	GENSCAN
Start	139	End	4497
GI	none	Score	.72
Exons	139..291, 2390..2660, 2842..3017, 3107..3347, 4045..4181, 4270..4497		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8308	Strand	+
Start	139	End	4728
Name	OJ990312_05.9819.C22.o1.np	Method	AAT/NAP
Start	2558	End	4494
GI	3757515	Score	903
Exons	2558..2660, 2830..3017, 3107..3347, 4045..4494		
GI Descrip.	(AC005167) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8308	Strand	+
Start	139	End	4728
Name	OJ990312_05.9819.C22.o1.gp	Method	AAT/GAP
Start	2563	End	4728
GI	2466_2.R1084	Score	2087
Exons	2563..2660, 2842..3017, 3107..3347, 4045..4181, 4270..4728		
GI Descrip.	'3757515 2.0e-58 (AC005167) hypothetical protein [Arabidopsis thaliana] >gi_4581130_gb_AAD24620.1_AC005825_27 (AC005825) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8309	Strand	+
Start	6392	End	7015
Name	OJ990312_05.9819.C22.o2.gs	Method	GENSCAN
Start	6392	End	7015
GI	none	Score	.51
Exons	6392..6534, 6742..7015		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8310	Strand	-
Start	7361	End	7817
Name	OJ990312_05.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	2310	End	4520
GI	none	Score	153
Exons	2310..2357, 2452..2550, 2459..2551, 2461..2544, 2462..2563, 2489..2551, 2542..2664, 2552..2662, 2582..2656, 2841..2873, 2964..3017, 3088..3345, 3107..3346, 3170..3346, 4040..4183,		

4044..4184, 4044..4184, 4267..4497, 4267..4509, 4269..4520

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8310	Strand	-
Start	7361	End	7817
Name	OJ990312_05.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	2459	End	4094
GI	none	Score	121
Exons	2459..2551, 2566..2652, 2567..2659, 2970..3017, 3088..3357, 3107..3346, 4040..4093, 4044..4094		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8310	Strand	-
Start	7361	End	7817
Name	OJ990312_05.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	3113	End	4335
GI	none	Score	335
Exons	3113..3346, 3118..3345, 3173..3346, 4031..4180, 4032..4181, 4044..4181, 4054..4194, 4276..4335		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8310	Strand	-
Start	7361	End	7817
Name	OJ990312_05.9819.C22.o2.np	Method	AAT/NAP
Start	7358	End	7817
GI	6692128	Score	190
Exons	7358..7441, 7493..7817		
GI Descrip.	(AC007654) T19E23.14 [Arabidopsis thaliana]		

Seq. No.	3918	Seq. ID	OJ990312_05.9819.C22
Gene No.	8310	Strand	-
Start	7361	End	7817
Name	OJ990312_05.9819.C22.o3.gs	Method	GENSCAN
Start	7361	End	7750
GI	none	Score	.77
Exons	7361..7750		

Seq. No.	3919	Seq. ID	OJ990312_05.9819.C23
Gene No.	8311	Strand	+
Start	1	End	212
Name	OJ990312_05.9819.C23.o1.gp	Method	AAT/GAP
Start	1	End	212
GI	5038564	Score	374
Exons	1..212		

Seq. No.	3919	Seq. ID	OJ990312_05.9819.C23
Gene No.	8312	Strand	+
Start	5613	End	7965
Name	OJ990312_05.9819.C23.o2.gs	Method	GENSCAN
Start	5613	End	7965
GI	none	Score	.44
Exons	5613..5791, 6140..6315, 7880..7965		

Seq. No.	3919	Seq. ID	OJ990312_05.9819.C23
Gene No.	8313	Strand	-
Start	1	End	1474
Name	OJ990312_05.9819.C23.o1.np	Method	AAT/NAP

Start	1	End	1474
GI	6692128	Score	128
Exons	1..277, 1421..1474		
GI Descrip.	(AC007654) T19E23.14 [Arabidopsis thaliana]		

Seq. No.	3919	Seq. ID	OJ990312_05.9819.C23
Gene No.	8314	Strand	-
Start	6483	End	6615
Name	OJ990312_05.9819.C23.o2.gp	Method	AAT/GAP
Start	6483	End	6615
GI	LIB3474-009-P1-K1-F11	Score	223
Exons	6483..6615		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	3920	Seq. ID	OJ990312_05.9819.C24
Gene No.	8315	Strand	+
Start	366	End	682
Name	OJ990312_05.9819.C24.o1.gp	Method	AAT/GAP
Start	366	End	682
GI	LIB3433-020-P1-K1-A6	Score	553
Exons	366..682		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	3920	Seq. ID	OJ990312_05.9819.C24
Gene No.	8316	Strand	+
Start	593	End	1307
Name	OJ990312_05.9819.C24.o1.gs	Method	GENSCAN
Start	593	End	1307
GI	none	Score	.65
Exons	593..959, 1054..1307		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	2479
GI	4467124	Score	906
Exons	1..21, 1122..2479		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.gs	Method	GENSCAN
Start	1052	End	2437
GI	none	Score	.46
Exons	1052..2437		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	1133	End	1582
GI	none	Score	221
Exons	1133..1246, 1319..1582		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o2.tc	Method	TBLASTX:Cress
Start	1397	End	1780
GI	none	Score	157
Exons	1397..1498, 1532..1780		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	1637	End	2369
GI	none	Score	223
Exons	1637..1780, 1802..2368, 1842..2369		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	1691	End	2321
GI	none	Score	49
Exons	1691..1993, 1868..1948, 2021..2320, 2067..2321		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	1766	End	2191
GI	none	Score	89
Exons	1766..2191, 1892..2182		

Seq. No.	3921	Seq. ID	OJ990312_05.9819.C25
Gene No.	8317	Strand	-
Start	1	End	2479
Name	OJ990312_05.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	2118	End	2461
GI	none	Score	58
Exons	2118..2339, 2120..2461		

Seq. No.	3922	Seq. ID	OJ990312_05.9819.C26
Gene No.	8318	Strand	+
Start	852	End	1085
Name	OJ990312_05.9819.C26.o1.gs	Method	GENSCAN
Start	852	End	1085
GI	none	Score	.84
Exons	852..956, 997..1085		

Seq. No.	3923	Seq. ID	OJ990312_05.9819.C27
Gene No.	8319	Strand	-
Start	24	End	859
Name	OJ990312_05.9819.C27.o1.np	Method	AAT/NAP
Start	24	End	859
GI	5922620	Score	81
Exons	24..153, 727..859		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	3923	Seq. ID	OJ990312_05.9819.C27
Gene No.	8319	Strand	-
Start	24	End	859
Name	OJ990312_05.9819.C27.o1.gs	Method	GENSCAN
Start	677	End	781
GI	none	Score	.43
Exons	677..781		

Seq. No.	3924	Seq. ID	OJ990312_05.9819.C28
Gene No.	8320	Strand	+
Start	664	End	1220
Name	OJ990312_05.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	655	End	1206
GI	none	Score	418
Exons	655..1137, 717..1100, 1126..1206		

Seq. No.	3924	Seq. ID	OJ990312_05.9819.C28
Gene No.	8320	Strand	+
Start	664	End	1220
Name	OJ990312_05.9819.C28.o1.gp	Method	AAT/GAP
Start	664	End	1129
GI	27110_1.R1084	Score	910
Exons	664..1129		
GI Descrip.	'1171577/emb|CAA64636| 9.0e-35 (X95343) hypersensitivity-related gene [Nicotiana tabacum]'		

Seq. No.	3924	Seq. ID	OJ990312_05.9819.C28
Gene No.	8320	Strand	+
Start	664	End	1220
Name	OJ990312_05.9819.C28.o1.np	Method	AAT/NAP
Start	715	End	1220
GI	1171577	Score	387
Exons	715..1220		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	3924	Seq. ID	OJ990312_05.9819.C28
Gene No.	8320	Strand	+
Start	664	End	1220
Name	OJ990312_05.9819.C28.o1.gs	Method	GENSCAN
Start	721	End	1187
GI	none	Score	.7
Exons	721..1187		

Seq. No.	3924	Seq. ID	OJ990312_05.9819.C28
Gene No.	8320	Strand	+
Start	664	End	1220
Name	OJ990312_05.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	738	End	969
GI	none	Score	161
Exons	738..860, 739..906, 901..969		

Seq. No.	3925	Seq. ID	OJ990312_05.9819.C29

Gene No.	8321	Strand	+
Start	1	End	569
Name	OJ990312_05.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	569
GI	1171577	Score	384
Exons	1..569		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	3925	Seq. ID	OJ990312_05.9819.C29
Gene No.	8322	Strand	+
Start	1931	End	2638
Name	OJ990312_05.9819.C29.o2.np	Method	AAT/NAP
Start	1931	End	2638
GI	5852093	Score	75
Exons	1931..2075, 2607..2638		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	3925	Seq. ID	OJ990312_05.9819.C29
Gene No.	8323	Strand	-
Start	228	End	548
Name	OJ990312_05.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	73	End	512
GI	none	Score	50
Exons	73..135, 143..343, 144..512, 422..490		

Seq. No.	3925	Seq. ID	OJ990312_05.9819.C29
Gene No.	8323	Strand	-
Start	228	End	548
Name	OJ990312_05.9819.C29.o1.gs	Method	GENSCAN
Start	228	End	548
GI	none	Score	.6
Exons	228..548		

Seq. No.	3926	Seq. ID	OJ990312_05.9819.C30
Gene No.	8324	Strand	-
Start	334	End	518
Name	OJ990312_05.9819.C30.o1.gs	Method	GENSCAN
Start	334	End	518
GI	none	Score	.57
Exons	334..518		

Seq. No.	3927	Seq. ID	OJ990312_05.9819.C33
Gene No.	8325	Strand	+
Start	353	End	674
Name	OJ990312_05.9819.C33.o1.np	Method	AAT/NAP
Start	353	End	674
GI	1171577	Score	97
Exons	353..674		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o1.np	Method	AAT/NAP
Start	34	End	983
GI	4206309	Score	859
Exons	34..983		

GI Descrip. (AF049112) prpol [Zea mays]

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	70	End	489
GI	none	Score	446
Exons	70..489, 82..210, 283..426, 336..473		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o1.gs	Method	GENSCAN
Start	217	End	726
GI	none	Score	.52
Exons	217..726		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	229	End	612
GI	none	Score	388
Exons	229..612, 270..599		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	364	End	705
GI	none	Score	252
Exons	364..705, 369..506		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o2.tw	Method	TBLASTX:Wheat
Start	496	End	708
GI	none	Score	197
Exons	496..708, 501..581		

Seq. No.	3928	Seq. ID	OJ990312_05.9819.C35
Gene No.	8326	Strand	+
Start	34	End	983
Name	OJ990312_05.9819.C35.o3.tw	Method	TBLASTX:Wheat
Start	710	End	971
GI	none	Score	75
Exons	710..781, 711..782, 789..971		

Seq. No.	3929	Seq. ID	OJ990312_05.9819.C36
Gene No.	8327	Strand	+
Start	89	End	946
Name	OJ990312_05.9819.C36.o1.np	Method	AAT/NAP
Start	89	End	946
GI	5441880	Score	505
Exons	89..946		

GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	3929	Seq. ID	OJ990312_05.9819.C36
Gene No.	8327	Strand	+
Start	89	End	946
Name	OJ990312_05.9819.C36.o1.gs	Method	GENSCAN
Start	323	End	408
GI	none	Score	.92
Exons	323..408		
Seq. No.	3930	Seq. ID	OJ990312_05.9819.C37
Gene No.	8328	Strand	
Start	175	End	368
Name	OJ990312_05.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	175	End	368
GI	none	Score	127
Exons	175..318, 176..319, 321..368		
Seq. No.	3931	Seq. ID	OJ990312_05.9819.C38
Gene No.	8329	Strand	+
Start	554	End	653
Name	OJ990312_05.9819.C38.o1.gs	Method	GENSCAN
Start	554	End	653
GI	none	Score	.55
Exons	554..653		
Seq. No.	3932	Seq. ID	OJ990312_05.9819.C39
Gene No.	8330	Strand	-
Start	1117	End	2021
Name	OJ990312_05.9819.C39.o1.gs	Method	GENSCAN
Start	1117	End	2021
GI	none	Score	.68
Exons	1117..1184, 1952..2021		
Seq. No.	3933	Seq. ID	OJ990312_05.9819.C40
Gene No.	8331	Strand	+
Start	231	End	578
Name	OJ990312_05.9819.C40.o1.gs	Method	GENSCAN
Start	231	End	578
GI	none	Score	.41
Exons	231..578		
Seq. No.	3934	Seq. ID	OJ990312_05.9819.C41
Gene No.	8332	Strand	-
Start	134	End	271
Name	OJ990312_05.9819.C41.o1.gs	Method	GENSCAN
Start	134	End	271
GI	none	Score	.88
Exons	134..271		
Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8333	Strand	+
Start	702	End	1165
Name	OJ990312_05.9819.C46.o1.gs	Method	GENSCAN
Start	702	End	1165

GI	none	Score	.8
Exons	702..786, 1008..1165		

Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8334	Strand	+
Start	2159	End	4606
Name	OJ990312_05.9819.C46.o2.gs	Method	GENSCAN
Start	2159	End	4600
GI	none	Score	.96
Exons	2159..3295, 3869..4021, 4499..4600		

Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8334	Strand	+
Start	2159	End	4606
Name	OJ990312_05.9819.C46.o1.np	Method	AAT/NAP
Start	2306	End	4606
GI	3289002	Score	759
Exons	2306..3295, 3869..4021, 4141..4212, 4499..4606		
GI Descrip.	(AF073522) CRP1 [Zea mays]		

Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8334	Strand	+
Start	2159	End	4606
Name	OJ990312_05.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	2513	End	4224
GI	none	Score	92
Exons	2513..2752, 2576..3001, 2690..3100, 2786..3208, 2858..3205, 2869..3207, 2912..3295, 4138..4224		

Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8334	Strand	+
Start	2159	End	4606
Name	OJ990312_05.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	2561	End	3982
GI	none	Score	132
Exons	2561..2950, 2609..3160, 2854..3105, 2903..3139, 2924..3292, 2924..3055, 3848..3982		

Seq. No.	3935	Seq. ID	OJ990312_05.9819.C46
Gene No.	8334	Strand	+
Start	2159	End	4606
Name	OJ990312_05.9819.C46.o1.tc	Method	TBLASTX:Cress
Start	2612	End	4011
GI	none	Score	112
Exons	2612..2962, 2738..3112, 2854..3114, 2918..3295, 3848..3991, 3904..4011		

Seq. No.	3936	Seq. ID	OJ990312_05.9819.C47
Gene No.	8335	Strand	-
Start	466	End	993
Name	OJ990312_05.9819.C47.o1.gs	Method	GENSCAN
Start	466	End	993
GI	none	Score	.56
Exons	466..523, 652..806, 988..993		

Seq. No.	3937	Seq. ID	OJ990312_05.9819.C49
Gene No.	8336	Strand	-

Start	1	End	767
Name	OJ990312_05.9819.C49.o1.np	Method	AAT/NAP
Start	1	End	767
GI	5441880	Score	313
Exons	1..85, 152..458, 736..767		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3937	Seq. ID	OJ990312_05.9819.C49
Gene No.	8336	Strand	-
Start	1	End	767
Name	OJ990312_05.9819.C49.o1.gs	Method	GENSCAN
Start	152	End	649
GI	none	Score	.91
Exons	152..450, 531..649		

Seq. No.	3938	Seq. ID	OJ990312_05.9819.C50
Gene No.	8337	Strand	+
Start	44	End	566
Name	OJ990312_05.9819.C50.o1.np	Method	AAT/NAP
Start	44	End	566
GI	6539570	Score	123
Exons	44..238, 494..566		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3938	Seq. ID	OJ990312_05.9819.C50
Gene No.	8338	Strand	-
Start	178	End	367
Name	OJ990312_05.9819.C50.o1.gs	Method	GENSCAN
Start	178	End	367
GI	none	Score	.67
Exons	178..367		

Seq. No.	3939	Seq. ID	OJ990312_05.9819.C51
Gene No.	8339	Strand	-
Start	80	End	388
Name	OJ990312_05.9819.C51.o1.gs	Method	GENSCAN
Start	80	End	388
GI	none	Score	.57
Exons	80..287, 369..388		

Seq. No.	3940	Seq. ID	OJ990312_05.9819.C52
Gene No.	8340	Strand	+
Start	5790	End	6393
Name	OJ990312_05.9819.C52.o2.gs	Method	GENSCAN
Start	5790	End	6393
GI	none	Score	.8
Exons	5790..6393		

Seq. No.	3940	Seq. ID	OJ990312_05.9819.C52
Gene No.	8341	Strand	-
Start	395	End	3871
Name	OJ990312_05.9819.C52.o1.gs	Method	GENSCAN
Start	395	End	3871
GI	none	Score	.77
Exons	395..433, 854..1046, 1213..1383, 1466..2298, 2380..2682,		

2920..3653, 3742..3871

Seq. No.	3940	Seq. ID	OJ990312_05.9819.C52
Gene No.	8341	Strand	-
Start	395	End	3871
Name	OJ990312_05.9819.C52.o1.gp	Method	AAT/GAP
Start	534	End	1001
GI	LIB3431-001-P1-N1-B5	Score	645
Exons	534..769, 875..1001		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3940	Seq. ID	OJ990312_05.9819.C52
Gene No.	8341	Strand	-
Start	395	End	3871
Name	OJ990312_05.9819.C52.o2.gp	Method	AAT/GAP
Start	591	End	1057
GI	LIB3431-001-P1-N1-B5	Score	639
Exons	591..769, 875..1057		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3940	Seq. ID	OJ990312_05.9819.C52
Gene No.	8342	Strand	-
Start	5818	End	6402
Name	OJ990312_05.9819.C52.o2.np	Method	AAT/NAP
Start	5818	End	6402
GI	2429362	Score	154
Exons	5818..6402		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	3941	Seq. ID	OJ990312_05.9819.C53
Gene No.	8343	Strand	+
Start	320	End	434
Name	OJ990312_05.9819.C53.o1.gs	Method	GENSCAN
Start	320	End	434
GI	none	Score	.85
Exons	320..377, 421..434		

Seq. No.	3941	Seq. ID	OJ990312_05.9819.C53
Gene No.	8344	Strand	-
Start	744	End	1190
Name	OJ990312_05.9819.C53.o1.gp	Method	AAT/GAP
Start	606	End	793
GI	5002953	Score	278
Exons	606..793		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3941	Seq. ID	OJ990312_05.9819.C53
Gene No.	8344	Strand	-
Start	744	End	1190
Name	OJ990312_05.9819.C53.o1.np	Method	AAT/NAP
Start	720	End	1190
GI	4680203	Score	140
Exons	720..1190		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3941	Seq. ID	OJ990312_05.9819.C53
Gene No.	8344	Strand	-
Start	744	End	1190
Name	OJ990312_05.9819.C53.o2.gs	Method	GENSCAN
Start	744	End	1125
GI	none	Score	.85
Exons	744..1125		

Seq. No.	3942	Seq. ID	OJ990312_05.9819.C54
Gene No.	8345	Strand	-
Start	327	End	447
Name	OJ990312_05.9819.C54.o1.gs	Method	GENSCAN
Start	327	End	447
GI	none	Score	.76
Exons	327..447		

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o1.np	Method	AAT/NAP
Start	1	End	935
GI	100484	Score	534
Exons	1..62, 290..935		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	258	End	644
GI	none	Score	180
Exons	258..488, 287..487, 521..610, 524..613, 525..644		

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o2.tm	Method	TBLASTX:Maize
Start	264	End	479
GI	none	Score	163
Exons	264..410, 293..400, 417..479		

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	516	End	875
GI	none	Score	208
Exons	516..875, 533..709		

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o1.gp	Method	AAT/GAP
Start	597	End	737
GI	5002953	Score	207
Exons	597..737		

GI Descrip. 4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	3943	Seq. ID	OJ990312_05.9819.C55
Gene No.	8346	Strand	+
Start	1	End	935
Name	OJ990312_05.9819.C55.o2.tw	Method	TBLASTX:Wheat
Start	654	End	876
GI	none	Score	223
Exons	654..875, 656..763, 810..875, 835..876		

Seq. No.	3944	Seq. ID	OJ990312_02.9819.C1
Gene No.	8347	Strand	-
Start	1308	End	1417
Name	OJ990312_02.9819.C1.o1.gs	Method	GENSCAN
Start	1308	End	1417
GI	none	Score	.52
Exons	1308..1417		

Seq. No.	3945	Seq. ID	OJ990312_02.9819.C2
Gene No.	8348	Strand	+
Start	73	End	974
Name	OJ990312_02.9819.C2.o1.gs	Method	GENSCAN
Start	73	End	974
GI	none	Score	.82
Exons	73..584, 679..974		

Seq. No.	3945	Seq. ID	OJ990312_02.9819.C2
Gene No.	8349	Strand	-
Start	1789	End	2131
Name	OJ990312_02.9819.C2.o2.gs	Method	GENSCAN
Start	1789	End	2131
GI	none	Score	.83
Exons	1789..2020, 2106..2131		

Seq. No.	3945	Seq. ID	OJ990312_02.9819.C2
Gene No.	8349	Strand	-
Start	1789	End	2131
Name	OJ990312_02.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1836	End	2023
GI	none	Score	82
Exons	1836..1904, 1840..1914, 1888..2022, 1910..2023		

Seq. No.	3946	Seq. ID	OJ990312_02.9819.C3
Gene No.	8350	Strand	-
Start	163	End	814
Name	OJ990312_02.9819.C3.o1.gs	Method	GENSCAN
Start	163	End	814
GI	none	Score	.98
Exons	163..387, 476..814		

Seq. No.	3946	Seq. ID	OJ990312_02.9819.C3
Gene No.	8350	Strand	-
Start	163	End	814
Name	OJ990312_02.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	171	End	631
GI	none	Score	66

Exons	171..212, 173..388, 173..229, 178..387, 464..619, 477..611, 566..631		
Seq. No.	3947	Seq. ID	OJ990312_02.9819.C4
Gene No.	8351	Strand	-
Start	1	End	503
Name	OJ990312_02.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	400
GI	6693030	Score	128
Exons	1..178, 310..400		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		
Seq. No.	3947	Seq. ID	OJ990312_02.9819.C4
Gene No.	8351	Strand	-
Start	1	End	503
Name	OJ990312_02.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	152	End	503
GI	none	Score	44
Exons	152..202, 153..194, 306..491, 311..502, 312..503		
Seq. No.	3948	Seq. ID	OJ990312_02.9819.C5
Gene No.	8352	Strand	+
Start	1314	End	2219
Name	OJ990312_02.9819.C5.o1.np	Method	AAT/NAP
Start	1314	End	2219
GI	5922634	Score	87
Exons	1314..1406, 2130..2219		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	3948	Seq. ID	OJ990312_02.9819.C5
Gene No.	8352	Strand	+
Start	1314	End	2219
Name	OJ990312_02.9819.C5.o1.gs	Method	GENSCAN
Start	1781	End	1939
GI	none	Score	.85
Exons	1781..1939		
Seq. No.	3949	Seq. ID	OJ990312_02.9819.C6
Gene No.	8353	Strand	+
Start	3425	End	3784
Name	OJ990312_02.9819.C6.o1.np	Method	AAT/NAP
Start	3425	End	3784
GI	4584355	Score	246
Exons	3425..3784		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	3949	Seq. ID	OJ990312_02.9819.C6
Gene No.	8354	Strand	+
Start	5952	End	11482
Name	OJ990312_02.9819.C6.o2.gs	Method	GENSCAN
Start	5952	End	9121
GI	none	Score	.73
Exons	5952..6103, 6270..6330, 6424..6673, 6759..7059, 7840..8187, 9055..9121		

Seq. No.	3949	Seq. ID	OJ990312_02.9819.C6
Gene No.	8354	Strand	+
Start	5952	End	11482
Name	OJ990312_02.9819.C6.o2.np	Method	AAT/NAP
Start	6855	End	11482
GI	5852181	Score	109
Exons	6855..6878, 10078..10233, 11449..11482		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	3949	Seq. ID	OJ990312_02.9819.C6
Gene No.	8355	Strand	+
Start	12320	End	15387
Name	OJ990312_02.9819.C6.o3.gs	Method	GENSCAN
Start	12320	End	15387
GI	none	Score	.88
Exons	12320..13040, 13218..13350, 14553..14752, 14888..15387		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8356	Strand	-
Start	1748	End	2425
Name	OJ990312_02.9819.C7.o1.gs	Method	GENSCAN
Start	1748	End	2425
GI	none	Score	.44
Exons	1748..1865, 2379..2425		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8357	Strand	-
Start	4033	End	5443
Name	OJ990312_02.9819.C7.o2.gs	Method	GENSCAN
Start	4033	End	4836
GI	none	Score	1
Exons	4033..4836		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8357	Strand	-
Start	4033	End	5443
Name	OJ990312_02.9819.C7.o1.np	Method	AAT/NAP
Start	4090	End	5443
GI	2129473	Score	415
Exons	4090..4852, 5412..5443		
GI Descrip.	arabinogalactan-like protein - loblolly pine gi|607774 (U09556) arabinogalactan-like protein [Pinus taeda]		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8358	Strand	-
Start	6020	End	6904
Name	OJ990312_02.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	4167	End	4728
GI	none	Score	35
Exons	4167..4205, 4276..4326, 4279..4389, 4280..4375, 4432..4575, 4450..4566, 4621..4728, 4628..4723		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8358	Strand	-
Start	6020	End	6904
Name	OJ990312_02.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	4279	End	4731

GI	none	Score	209
Exons	4279..4389, 4441..4476, 4489..4731		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8358	Strand	-
Start	6020	End	6904
Name	OJ990312_02.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	4279	End	4728
GI	none	Score	41
Exons	4279..4389, 4292..4378, 4447..4728, 4450..4542		

Seq. No.	3950	Seq. ID	OJ990312_02.9819.C7
Gene No.	8358	Strand	-
Start	6020	End	6904
Name	OJ990312_02.9819.C7.o3.gs	Method	GENSCAN
Start	6020	End	6904
GI	none	Score	.4
Exons	6020..6109, 6540..6696, 6795..6904		

Seq. No.	3951	Seq. ID	OJ990312_02.9819.C8
Gene No.	8359	Strand	+
Start	730	End	851
Name	OJ990312_02.9819.C8.o1.gs	Method	GENSCAN
Start	730	End	851
GI	none	Score	.72
Exons	730..851		

Seq. No.	3951	Seq. ID	OJ990312_02.9819.C8
Gene No.	8360	Strand	-
Start	1641	End	2931
Name	OJ990312_02.9819.C8.o2.gs	Method	GENSCAN
Start	1641	End	2931
GI	none	Score	.74
Exons	1641..1655, 2878..2931		

Seq. No.	3952	Seq. ID	OJ990312_02.9819.C11
Gene No.	8361	Strand	-
Start	160	End	640
Name	OJ990312_02.9819.C11.o1.gs	Method	GENSCAN
Start	160	End	640
GI	none	Score	.68
Exons	160..640		

Seq. No.	3952	Seq. ID	OJ990312_02.9819.C11
Gene No.	8361	Strand	-
Start	160	End	640
Name	OJ990312_02.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	323	End	616
GI	none	Score	181
Exons	323..616		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8362	Strand	+
Start	404	End	10682
Name	OJ990312_02.9819.C12.o1.np	Method	AAT/NAP
Start	404	End	1373
GI	6649097	Score	769

Exons	404..1373		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8362	Strand	+
Start	404	End	10682
Name	OJ990312_02.9819.C12.o1.gs	Method	GENSCAN
Start	772	End	4050
GI	none	Score	.78
Exons	772..1268, 1577..1719, 2141..2302, 2546..2772, 2818..4050		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8362	Strand	+
Start	404	End	10682
Name	OJ990312_02.9819.C12.o3.np	Method	AAT/NAP
Start	1577	End	6133
GI	6598711	Score	107
Exons	1577..1859, 3715..3995, 6109..6133		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8362	Strand	+
Start	404	End	10682
Name	OJ990312_02.9819.C12.o2.np	Method	AAT/NAP
Start	2141	End	4986
GI	6069646	Score	433
Exons	2141..2780, 4947..4986		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8362	Strand	+
Start	404	End	10682
Name	OJ990312_02.9819.C12.o2.gs	Method	GENSCAN
Start	5198	End	10682
GI	none	Score	.46
Exons	5198..5277, 5870..5891, 6168..6596, 7121..7247, 8295..8367, 8442..8504, 9017..9094, 9652..9824, 10195..10338, 10408..10682		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8363	Strand	-
Start	5739	End	5935
Name	OJ990312_02.9819.C12.o4.np	Method	AAT/NAP
Start	5739	End	5935
GI	6069646	Score	65
Exons	5739..5935		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12

Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	601	End	1230
GI	none	Score	61
Exons	601..657, 733..981, 1078..1230		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	772	End	1250
GI	none	Score	52
Exons	772..846, 843..944, 850..1245, 1038..1250		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	874	End	1200
GI	none	Score	107
Exons	874..1002, 876..980, 1030..1200, 1038..1169		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	2152	End	2568
GI	none	Score	370
Exons	2152..2568, 2172..2315, 2355..2567		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	2404	End	2726
GI	none	Score	204
Exons	2404..2706, 2574..2726		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	3441	End	3862
GI	none	Score	98
Exons	3441..3776, 3466..3786, 3474..3782, 3774..3860, 3795..3860, 3836..3862		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o6.np	Method	AAT/NAP
Start	11691	End	14818
GI	5830509	Score	254
Exons	11691..11744, 12647..12719, 12851..12955, 13523..13639, 13728..13891, 14004..14261, 14787..14818		
GI Descrip.	(AL110506) WD repeat protein [Schizosaccharomyces pombe]		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o3.gs	Method	GENSCAN
Start	12034	End	14685
GI	none	Score	.78
Exons	12034..12093, 12402..12491, 13468..13643, 13732..13891, 14004..14261, 14421..14471, 14572..14685		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o5.np	Method	AAT/NAP
Start	12037	End	12942
GI	6693030	Score	386
Exons	12037..12076, 12246..12319, 12402..12719, 12851..12942		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	12414	End	12930
GI	none	Score	57
Exons	12414..12491, 12424..12504, 12530..12697, 12579..12719, 12845..12925, 12850..12930		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	12642	End	13675
GI	none	Score	87
Exons	12642..12731, 12644..12697, 12655..12744, 12848..13033, 12853..13044, 12854..13045, 13490..13672, 13492..13644, 13511..13675		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	13537	End	13853
GI	none	Score	134
Exons	13537..13659, 13538..13645, 13718..13852, 13733..13849, 13734..13853		

Seq. No.	3953	Seq. ID	OJ990312_02.9819.C12
Gene No.	8364	Strand	-
Start	12034	End	14818
Name	OJ990312_02.9819.C12.o7.np	Method	AAT/NAP
Start	14286	End	14600
GI	994736	Score	73
Exons	14286..14420, 14452..14600		
GI Descrip.	(M18327) LacOPZ-alpha peptide from pUC9; putative [cloning vectors] gi|994738 (M18328) LacOPZ-alpha peptide from pUC9; putative [cloning vectors] gi|994740 (M18329) LacOPZ-alpha		

peptide from pUC9; putative [cloning vectors]

Seq. No.	3954	Seq. ID	OJ990312_02.9819.C14
Gene No.	8365	Strand	-
Start	574	End	879
Name	OJ990312_02.9819.C14.o1.gs	Method	GENSCAN
Start	574	End	879
GI	none	Score	.47
Exons	574..879		

Seq. No.	3955	Seq. ID	OJ990312_02.9819.C15
Gene No.	8366	Strand	-
Start	69	End	215
Name	OJ990312_02.9819.C15.o1.gs	Method	GENSCAN
Start	69	End	215
GI	none	Score	.65
Exons	69..215		

Seq. No.	3956	Seq. ID	OJ990312_02.9819.C17
Gene No.	8367	Strand	+
Start	2574	End	3429
Name	OJ990312_02.9819.C17.o1.gs	Method	GENSCAN
Start	2574	End	3429
GI	none	Score	.64
Exons	2574..2727, 2803..2944, 3039..3334, 3336..3429		

Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8368	Strand	+
Start	679	End	1679
Name	OJ990312_02.9819.C18.o1.gs	Method	GENSCAN
Start	679	End	1679
GI	none	Score	.73
Exons	679..739, 1042..1070, 1374..1492, 1513..1679		

Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8369	Strand	+
Start	5265	End	7474
Name	OJ990312_02.9819.C18.o3.gs	Method	GENSCAN
Start	5265	End	7474
GI	none	Score	.8
Exons	5265..5313, 5663..5729, 5778..5936, 7283..7474		

Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o2.gs	Method	GENSCAN
Start	3187	End	3993
GI	none	Score	.96
Exons	3187..3993		

Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o1.np	Method	AAT/NAP
Start	3217	End	4051
GI	2129473	Score	312
Exons	3217..4051		

GI Descrip.	arabinogalactan-like protein - loblolly pine gi|607774 (U09556) arabinogalactan-like protein [Pinus taeda]		
Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	3424	End	3910
GI	none	Score	78
Exons	3424..3552, 3580..3618, 3637..3768, 3638..3763, 3763..3906, 3833..3910		
Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	3424	End	3900
GI	none	Score	94
Exons	3424..3552, 3589..3774, 3590..3760, 3763..3900, 3764..3898		
Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	3424	End	3910
GI	none	Score	220
Exons	3424..3777, 3425..3766, 3775..3906, 3776..3910		
Seq. No.	3957	Seq. ID	OJ990312_02.9819.C18
Gene No.	8370	Strand	-
Start	3187	End	4051
Name	OJ990312_02.9819.C18.o1.gp	Method	AAT/GAP
Start	3438	End	4023
GI	67182_1.R1084	Score	1033
Exons	3438..4023		
GI Descrip.	'4204300 1.0e-23 (AC003027) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8371	Strand	+
Start	295	End	5667
Name	OJ990312_02.9819.C19.o1.gs	Method	GENSCAN
Start	295	End	5667
GI	none	Score	.86
Exons	295..552, 731..2413, 2480..3902, 3972..4006, 4268..4645, 5602..5667		
Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8371	Strand	+
Start	295	End	5667
Name	OJ990312_02.9819.C19.o1.np	Method	AAT/NAP
Start	790	End	4750
GI	4388818	Score	2677
Exons	790..4750		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8371	Strand	+
Start	295	End	5667
Name	OJ990312_02.9819.C19.o1.gp	Method	AAT/GAP
Start	2061	End	2497
GI	2428449	Score	826
Exons	2061..2497		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8371	Strand	+
Start	295	End	5667
Name	OJ990312_02.9819.C19.o2.gp	Method	AAT/GAP
Start	3545	End	3787
GI	1621494	Score	438
Exons	3545..3787		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8372	Strand	-
Start	6039	End	6212
Name	OJ990312_02.9819.C19.o3.gp	Method	AAT/GAP
Start	6039	End	6212
GI	LIB3433-026-P1-K1-C1	Score	308
Exons	6039..6212		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	1094	End	1519
GI	none	Score	172
Exons	1094..1246, 1114..1212, 1235..1336, 1241..1330, 1267..1335, 1328..1390, 1339..1380, 1353..1448, 1448..1498, 1457..1519, 1474..1509		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o5.tm	Method	TBLASTX:Maize
Start	2210	End	2695
GI	none	Score	331
Exons	2210..2695, 2404..2694		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	2224	End	2833
GI	none	Score	330
Exons	2224..2634, 2225..2674, 2674..2754, 2768..2833		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	2444	End	2896
GI	none	Score	287
Exons	2444..2773, 2453..2698, 2473..2703, 2759..2896		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	2477	End	2929
GI	none	Score	183
Exons	2477..2755, 2762..2929, 2767..2886		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	3108	End	3546
GI	none	Score	623
Exons	3108..3296, 3110..3544, 3110..3544, 3124..3546		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	3383	End	3814
GI	none	Score	339
Exons	3383..3484, 3386..3814, 3421..3681		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o4.tc	Method	TBLASTX:Cress
Start	3386	End	3592
GI	none	Score	204
Exons	3386..3592, 3386..3592		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	3410	End	3761
GI	none	Score	385
Exons	3410..3754, 3430..3705, 3431..3754, 3504..3761		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	3548	End	4168
GI	none	Score	165
Exons	3548..3697, 3734..4168, 3790..3924, 3863..4018		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19

Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	3817	End	4263
GI	none	Score	120
Exons	3817..3909, 3818..3979, 3945..4238, 3952..4152, 3953..4258, 4012..4260, 4079..4252, 4201..4263		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o3.tc	Method	TBLASTX:Cress
Start	4142	End	4741
GI	none	Score	60
Exons	4142..4270, 4265..4369, 4370..4516, 4532..4741		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o5.tw	Method	TBLASTX:Wheat
Start	4282	End	4717
GI	none	Score	171
Exons	4282..4473, 4295..4513, 4516..4701, 4517..4717		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	4319	End	4745
GI	none	Score	544
Exons	4319..4741, 4321..4743, 4500..4745, 4642..4743		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o4.ts	Method	TBLASTX:Soybean
Start	4343	End	4626
GI	none	Score	322
Exons	4343..4618, 4345..4626		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.gs	Method	GENSCAN
Start	7293	End	10657
GI	none	Score	.63
Exons	7293..7409, 7741..7876, 7908..8176, 8255..8521, 9082..9133, 9621..10657		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.np	Method	AAT/NAP
Start	7315	End	8615
GI	5852178	Score	311
Exons	7315..7409, 7772..7906, 7937..8137, 8543..8615		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o3.np	Method	AAT/NAP
Start	9611	End	11932
GI	4680338	Score	605
Exons	9611..10631, 11800..11932		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	9626	End	10123
GI	none	Score	66
Exons	9626..9889, 9629..9805, 9630..9893, 9903..10103, 9905..10123, 9914..10123		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	9626	End	9979
GI	none	Score	131
Exons	9626..9886, 9648..9878, 9908..9979		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	9626	End	10546
GI	none	Score	136
Exons	9626..9889, 9630..9893, 9905..10123, 9906..10106, 10463..10546		

Seq. No.	3958	Seq. ID	OJ990312_02.9819.C19
Gene No.	8373	Strand	-
Start	7293	End	11932
Name	OJ990312_02.9819.C19.o6.tw	Method	TBLASTX:Wheat
Start	9993	End	10303
GI	none	Score	94
Exons	9993..10124, 10007..10123, 10121..10303, 10131..10151		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.gs	Method	GENSCAN
Start	618	End	1163
GI	none	Score	.56
Exons	618..686, 711..913, 1007..1163		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.np	Method	AAT/NAP
Start	663	End	10063
GI	4680501	Score	508

Exons	663..941, 7386..7843, 9901..10063		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	678	End	7393
GI	none	Score	79
Exons	678..938, 700..852, 7133..7216, 7226..7393		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	678	End	8143
GI	none	Score	94
Exons	678..956, 682..843, 907..957, 946..1155, 957..1154, 4736..4903, 4737..4901, 7133..7213, 7223..7396, 7250..7393, 7403..7480, 7403..7486, 7502..7678, 7506..7670, 7718..7861, 7973..8047, 8066..8143		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	678	End	7817
GI	none	Score	143
Exons	678..941, 682..939, 946..1158, 957..1172, 7133..7207, 7133..7213, 7223..7396, 7227..7301, 7403..7486, 7423..7497, 7424..7486, 7506..7640, 7517..7678, 7718..7816, 7725..7817		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	686	End	7486
GI	none	Score	69
Exons	686..712, 759..926, 963..1037, 7133..7207, 7202..7393, 7412..7486		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	955	End	7678
GI	none	Score	105
Exons	955..1158, 957..1172, 7412..7486, 7502..7678, 7509..7670		
Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	1045	End	7816
GI	none	Score	102
Exons	1045..1176, 1059..1172, 7509..7673, 7517..7672, 7718..7816		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.gs	Method	GENSCAN
Start	2537	End	2860
GI	none	Score	.65
Exons	2537..2860		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.gp	Method	AAT/GAP
Start	4469	End	4754
GI	61605_3.R1084	Score	414
Exons	4469..4754		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.np	Method	AAT/NAP
Start	7118	End	7815
GI	4680341	Score	459
Exons	7118..7815		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o4.gs	Method	GENSCAN
Start	7382	End	8167
GI	none	Score	.92
Exons	7382..8167		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o3.np	Method	AAT/NAP
Start	9198	End	10063
GI	3810596	Score	324
Exons	9198..9878, 9988..10063		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	9208	End	9738
GI	none	Score	241
Exons	9208..9363, 9373..9738		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o1.tw	Method	TBLASTX:Wheat

Start	9328	End	9735
GI	none	Score	66
Exons	9328..9735, 9452..9541, 9599..9733		

Seq. No.	3959	Seq. ID	OJ990312_02.9819.C20
Gene No.	8374	Strand	-
Start	618	End	10063
Name	OJ990312_02.9819.C20.o2.gp	Method	AAT/GAP
Start	9631	End	9783
GI	none	Score	302
Exons	9631..9783		

Seq. No.	3960	Seq. ID	OJ990312_02.9819.C22
Gene No.	8375	Strand	
Start	63	End	412
Name	OJ990312_02.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	63	End	412
GI	none	Score	87
Exons	63..326, 63..332, 64..336, 324..410, 345..410, 386..412		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	2130
GI	3777527	Score	1540
Exons	1..1440, 1525..2130		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.gs	Method	GENSCAN
Start	38	End	2056
GI	none	Score	.57
Exons	38..2056		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o2.tw	Method	TBLASTX:Wheat
Start	94	End	522
GI	none	Score	57
Exons	94..348, 113..223, 376..522		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o3.tm	Method	TBLASTX:Maize
Start	127	End	529
GI	none	Score	98
Exons	127..528, 167..337, 250..525, 254..529, 386..529		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o2.ts	Method	TBLASTX:Soybean

Start	167	End	556
GI	none	Score	125
Exons	167..556, 169..552		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	589	End	1036
GI	none	Score	78
Exons	589..1035, 597..881, 599..1036		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	698	End	1267
GI	5509260	Score	405
Exons	698..1267, 700..1227		
GI Descrip.	-		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	715	End	1182
GI	none	Score	143
Exons	715..1059, 716..883, 914..1042, 1093..1182, 1099..1176		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	817	End	1083
GI	none	Score	116
Exons	817..1083, 818..1078		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	1540	End	2097
GI	none	Score	274
Exons	1540..1692, 1674..1775, 1687..2097, 1688..2017		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o3.ts	Method	TBLASTX:Soybean
Start	1540	End	2001
GI	none	Score	52
Exons	1540..1668, 1559..1678, 1690..2001, 1697..1990		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o2.tc	Method	TBLASTX:Cress

Start	1541	End	1983
GI	none	Score	36
Exons	1541..1678, 1546..1677, 1693..1983, 1762..1950		

Seq. No.	3961	Seq. ID	OJ990312_02.9819.C23
Gene No.	8376	Strand	-
Start	1	End	2130
Name	OJ990312_02.9819.C23.o3.tw	Method	TBLASTX:Wheat
Start	1684	End	2097
GI	none	Score	53
Exons	1684..1764, 1706..1768, 1792..2097		

Seq. No.	3962	Seq. ID	OJ990312_02.9819.C24
Gene No.	8377	Strand	+
Start	291	End	399
Name	OJ990312_02.9819.C24.o1.gs	Method	GENSCAN
Start	291	End	399
GI	none	Score	.87
Exons	291..399		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8378	Strand	+
Start	1	End	974
Name	OJ990312_02.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	971
GI	6630685	Score	932
Exons	1..971		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8378	Strand	+
Start	1	End	974
Name	OJ990312_02.9819.C25.o1.gs	Method	GENSCAN
Start	111	End	974
GI	none	Score	.56
Exons	111..974		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8379	Strand	+
Start	2542	End	3301
Name	OJ990312_02.9819.C25.o2.gs	Method	GENSCAN
Start	2542	End	3301
GI	none	Score	.53
Exons	2542..2704, 2836..2958, 3099..3301		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8380	Strand	-
Start	4112	End	4693
Name	OJ990312_02.9819.C25.o3.gs	Method	GENSCAN
Start	4112	End	4693
GI	none	Score	.99
Exons	4112..4693		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360

Name	OJ990312_02.9819.C25.o2.ts	Method	TBLASTX:Soybean
Start	96	End	314
GI	none	Score	189
Exons	96..314, 98..253		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360
Name	OJ990312_02.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	114	End	530
GI	none	Score	103
Exons	114..266, 294..530, 305..529		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360
Name	OJ990312_02.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	294	End	953
GI	none	Score	119
Exons	294..467, 306..476, 588..722, 740..859, 741..953		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360
Name	OJ990312_02.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	297	End	953
GI	none	Score	683
Exons	297..953, 305..952		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360
Name	OJ990312_02.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	315	End	995
GI	none	Score	246
Exons	315..704, 509..619, 732..995, 737..898		

Seq. No.	3963	Seq. ID	OJ990312_02.9819.C25
Gene No.	8381	Strand	-
Start	5476	End	6360
Name	OJ990312_02.9819.C25.o4.gs	Method	GENSCAN
Start	5476	End	6360
GI	none	Score	.8
Exons	5476..5902, 6039..6140, 6278..6360		

Seq. No.	3964	Seq. ID	OJ990312_02.9819.C26
Gene No.	8382	Strand	+
Start	132	End	531
Name	OJ990312_02.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	92	End	523
GI	none	Score	110
Exons	92..217, 93..230, 306..521, 307..522, 482..523		

Seq. No.	3964	Seq. ID	OJ990312_02.9819.C26
Gene No.	8382	Strand	+
Start	132	End	531
Name	OJ990312_02.9819.C26.o1.gs	Method	GENSCAN

Start	132	End	531
GI	none	Score	.97
Exons	132..218, 307..531		

Seq. No.	3965	Seq. ID	OJ990312_02.9819.C27
Gene No.	8383	Strand	-
Start	260	End	465
Name	OJ990312_02.9819.C27.o1.gs	Method	GENSCAN
Start	260	End	465
GI	none	Score	.78
Exons	260..465		

Seq. No.	3966	Seq. ID	OJ990312_02.9819.C29
Gene No.	8384	Strand	+
Start	217	End	388
Name	OJ990312_02.9819.C29.o1.gp	Method	AAT/GAP
Start	217	End	388
GI	LIB3433-026-P1-K1-C1	Score	297
Exons	217..388		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3967	Seq. ID	OJ990312_02.9819.C31
Gene No.	8385	Strand	-
Start	150	End	445
Name	OJ990312_02.9819.C31.o1.gs	Method	GENSCAN
Start	150	End	445
GI	none	Score	.57
Exons	150..445		

Seq. No.	3968	Seq. ID	OJ990312_02.9819.C33
Gene No.	8386	Strand	+
Start	1	End	337
Name	OJ990312_02.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	337
GI	6063554	Score	198
Exons	1..337		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3969	Seq. ID	OJ990312_02.9819.C34
Gene No.	8387	Strand	+
Start	1	End	609
Name	OJ990312_02.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	568
GI	4680501	Score	366
Exons	1..568		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	3969	Seq. ID	OJ990312_02.9819.C34
Gene No.	8387	Strand	+
Start	1	End	609
Name	OJ990312_02.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	103	End	550
GI	none	Score	77
Exons	103..177, 197..280, 203..280, 281..460, 290..469, 470..550		

Seq. No.	3969	Seq. ID	OJ990312_02.9819.C34
Gene No.	8387	Strand	+
Start	1	End	609
Name	OJ990312_02.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	109	End	550
GI	none	Score	160
Exons	109..177, 197..259, 281..460, 470..550, 476..550		

Seq. No.	3969	Seq. ID	OJ990312_02.9819.C34
Gene No.	8387	Strand	+
Start	1	End	609
Name	OJ990312_02.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	197	End	550
GI	none	Score	69
Exons	197..280, 290..457, 467..550		

Seq. No.	3969	Seq. ID	OJ990312_02.9819.C34
Gene No.	8387	Strand	+
Start	1	End	609
Name	OJ990312_02.9819.C34.o1.gs	Method	GENSCAN
Start	386	End	609
GI	none	Score	.45
Exons	386..609		

Seq. No.	3970	Seq. ID	OJ990312_02.9819.C35
Gene No.	8388	Strand	-
Start	806	End	1085
Name	OJ990312_02.9819.C35.o1.gs	Method	GENSCAN
Start	806	End	1085
GI	none	Score	.81
Exons	806..1085		

Seq. No.	3971	Seq. ID	OJ990312_02.9819.C36
Gene No.	8389	Strand	-
Start	268	End	363
Name	OJ990312_02.9819.C36.o1.gs	Method	GENSCAN
Start	268	End	363
GI	none	Score	.51
Exons	268..363		

Seq. No.	3972	Seq. ID	OJ990212_05.9819.C1
Gene No.	8390	Strand	+
Start	367	End	426
Name	OJ990212_05.9819.C1.o1.gs	Method	GENSCAN
Start	367	End	426
GI	none	Score	.41
Exons	367..426		

Seq. No.	3973	Seq. ID	OJ990212_05.9819.C2
Gene No.	8391	Strand	+
Start	431	End	553
Name	OJ990212_05.9819.C2.o1.gs	Method	GENSCAN
Start	431	End	553
GI	none	Score	.43
Exons	431..553		

Seq. No.	3974	Seq. ID	OJ990212_05.9819.C4
Gene No.	8392	Strand	+
Start	144	End	525
Name	OJ990212_05.9819.C4.o1.gp	Method	AAT/GAP
Start	144	End	525
GI	uC-osflcyp033a04b1	Score	687
Exons	144..525		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3974	Seq. ID	OJ990212_05.9819.C4
Gene No.	8393	Strand	+
Start	1415	End	3234
Name	OJ990212_05.9819.C4.o1.gs	Method	GENSCAN
Start	1415	End	3168
GI	none	Score	.78
Exons	1415..2180, 2219..2247, 2473..3168		

Seq. No.	3974	Seq. ID	OJ990212_05.9819.C4
Gene No.	8393	Strand	+
Start	1415	End	3234
Name	OJ990212_05.9819.C4.o3.np	Method	AAT/NAP
Start	2470	End	3234
GI	4680179	Score	576
Exons	2470..3136, 3169..3234		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3974	Seq. ID	OJ990212_05.9819.C4
Gene No.	8394	Strand	-
Start	76	End	3234
Name	OJ990212_05.9819.C4.o1.np	Method	AAT/NAP
Start	76	End	3234
GI	4680186	Score	341
Exons	76..277, 1114..1167, 3209..3234		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3974	Seq. ID	OJ990212_05.9819.C4
Gene No.	8394	Strand	-
Start	76	End	3234
Name	OJ990212_05.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	2686	End	3048
GI	none	Score	288
Exons	2686..3048, 2688..3047		

Seq. No.	3975	Seq. ID	OJ990212_05.9819.C5
Gene No.	8395	Strand	+
Start	1	End	897
Name	OJ990212_05.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	897
GI	6721517	Score	523
Exons	1..897		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	3975	Seq. ID	OJ990212_05.9819.C5
Gene No.	8395	Strand	+
Start	1	End	897
Name	OJ990212_05.9819.C5.o1.tm	Method	TBLASTX:Maize

Start	328	End	636
GI	none	Score	411
Exons	328..636, 333..632		

Seq. No.	3975	Seq. ID	OJ990212_05.9819.C5
Gene No.	8395	Strand	+
Start	1	End	897
Name	OJ990212_05.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	328	End	636
GI	none	Score	462
Exons	328..636, 330..632, 331..636		

Seq. No.	3976	Seq. ID	OJ990212_05.9819.C7
Gene No.	8396	Strand	+
Start	1	End	860
Name	OJ990212_05.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	860
GI	6742729	Score	778
Exons	1..860		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	3976	Seq. ID	OJ990212_05.9819.C7
Gene No.	8396	Strand	+
Start	1	End	860
Name	OJ990212_05.9819.C7.o1.gs	Method	GENSCAN
Start	173	End	641
GI	none	Score	.65
Exons	173..641		

Seq. No.	3976	Seq. ID	OJ990212_05.9819.C7
Gene No.	8396	Strand	+
Start	1	End	860
Name	OJ990212_05.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	239	End	642
GI	none	Score	106
Exons	239..361, 241..384, 358..537, 359..598, 371..541, 563..640, 604..642		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o1.np	Method	AAT/NAP
Start	389	End	1190
GI	4512242	Score	1145
Exons	389..1190		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o1.gs	Method	GENSCAN
Start	420	End	1158
GI	none	Score	.84
Exons	420..1158		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+

Start	389	End	1253
Name	OJ990212_05.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	495	End	755
GI	none	Score	326
Exons	495..755, 512..754		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	495	End	836
GI	none	Score	324
Exons	495..836, 632..832, 642..836		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	506	End	770
GI	none	Score	337
Exons	506..754, 507..770, 510..764		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	771	End	1253
GI	none	Score	610
Exons	771..1253, 803..1240		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	777	End	1022
GI	none	Score	212
Exons	777..1022, 794..1021		

Seq. No.	3977	Seq. ID	OJ990212_05.9819.C9
Gene No.	8397	Strand	+
Start	389	End	1253
Name	OJ990212_05.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	842	End	1205
GI	none	Score	480
Exons	842..1192, 843..1196, 843..1205		

Seq. No.	3978	Seq. ID	OJ990212_05.9819.C10
Gene No.	8398	Strand	+
Start	852	End	1052
Name	OJ990212_05.9819.C10.o1.gs	Method	GENSCAN
Start	852	End	1052
GI	none	Score	.66
Exons	852..1052		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8399	Strand	+
Start	1	End	3260

Name	OJ990212_05.9819.C11.o1.gp	Method	AAT/GAP
Start	1	End	3259
GI	342_1.R1084	Score	5643
Exons	1..3259		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8399	Strand	+
Start	1	End	3260
Name	OJ990212_05.9819.C11.o2.gp	Method	AAT/GAP
Start	1	End	3259
GI	342_1.R1084	Score	5642
Exons	1..3259		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8399	Strand	+
Start	1	End	3260
Name	OJ990212_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	2988
GI	4680203	Score	3011
Exons	1..1366, 1520..1750, 2027..2988		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8399	Strand	+
Start	1	End	3260
Name	OJ990212_05.9819.C11.o4.gp	Method	AAT/GAP
Start	1	End	3260
GI	342_1.R1084	Score	5648
Exons	1..3260		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8399	Strand	+
Start	1	End	3260
Name	OJ990212_05.9819.C11.o1.gs	Method	GENSCAN
Start	194	End	3009
GI	none	Score	.5
Exons	194..1298, 1431..2382, 2388..3009		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	7	End	400
GI	none	Score	99
Exons	7..129, 44..151, 134..385, 142..384, 143..400, 144..395		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	317	End	745

GI	none	Score	102
Exons	317..391, 449..745, 503..727		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	478	End	826
GI	none	Score	318
Exons	478..630, 485..826, 670..807		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	614	End	1083
GI	none	Score	72
Exons	614..667, 622..666, 668..772, 679..768, 776..874, 781..873, 854..1078, 874..1083, 877..1083		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	659	End	1117
GI	none	Score	247
Exons	659..913, 671..913, 923..1117		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	947	End	1189
GI	none	Score	214
Exons	947..1189		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	1222	End	1632
GI	none	Score	87
Exons	1222..1272, 1223..1285, 1285..1473, 1286..1513, 1295..1513, 1541..1630, 1546..1632, 1547..1630		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	2934
GI	none	Score	716
Exons	1633..2436, 1634..2371, 2368..2535, 2376..2519, 2530..2574, 2534..2569, 2577..2672, 2581..2640, 2619..2759, 2620..2760, 2765..2836, 2773..2853, 2842..2934, 2868..2933		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-

Start	3694	End	5097
Name	OJ990212_05.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1676	End	1990
GI	none	Score	314
Exons	1676..1990, 1687..1962, 1760..1969		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1917	End	2370
GI	none	Score	325
Exons	1917..2099, 1921..2370, 1925..2368		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o2.np	Method	AAT/NAP
Start	3694	End	5097
GI	4585884	Score	275
Exons	3694..4262, 5023..5097		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	3853	End	4153
GI	none	Score	90
Exons	3853..4047, 3869..4003, 4051..4152, 4052..4153		

Seq. No.	3979	Seq. ID	OJ990212_05.9819.C11
Gene No.	8400	Strand	-
Start	3694	End	5097
Name	OJ990212_05.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	3859	End	4122
GI	none	Score	156
Exons	3859..4122, 3869..4114, 3952..4119		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12
Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	927
GI	4680179	Score	856
Exons	1..71, 101..927		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12
Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o1.gs	Method	GENSCAN
Start	110	End	674
GI	none	Score	.48
Exons	110..674		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12

Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	132	End	533
GI	none	Score	225
Exons	132..530, 132..533, 133..531, 473..532		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12
Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	195	End	695
GI	none	Score	61
Exons	195..509, 204..347, 316..444, 516..695, 568..687		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12
Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	246	End	641
GI	none	Score	112
Exons	246..518, 246..605, 247..537, 568..603, 609..641		

Seq. No.	3980	Seq. ID	OJ990212_05.9819.C12
Gene No.	8401	Strand	-
Start	1	End	927
Name	OJ990212_05.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	534	End	698
GI	none	Score	57
Exons	534..602, 537..698, 544..696		

Seq. No.	3981	Seq. ID	OJ990212_05.9819.C14
Gene No.	8402	Strand	+
Start	2955	End	6562
Name	OJ990212_05.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	2606	End	2884
GI	none	Score	294
Exons	2606..2884, 2642..2866, 2668..2868		

Seq. No.	3981	Seq. ID	OJ990212_05.9819.C14
Gene No.	8402	Strand	+
Start	2955	End	6562
Name	OJ990212_05.9819.C14.o2.np	Method	AAT/NAP
Start	2955	End	6562
GI	4501877	Score	47
Exons	2955..3024, 5177..5426, 6510..6562		
GI Descrip.	acrosin precursor; proacrosin preproacrosin (AA -19 to 402)	gi|28326|emb|CAA68784| [Homo sapiens]	(Y00970)

Seq. No.	3981	Seq. ID	OJ990212_05.9819.C14
Gene No.	8402	Strand	+
Start	2955	End	6562
Name	OJ990212_05.9819.C14.o1.gp	Method	AAT/GAP
Start	6241	End	6366
GI	12420_1.R1084	Score	186
Exons	6241..6366		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase		

subunit 6b-1 [Oryza sativa]'

Seq. No.	3982	Seq. ID	OJ990212_05.9819.C15
Gene No.	8403	Strand	-
Start	1	End	281
Name	OJ990212_05.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	281
GI	4680199	Score	174
Exons	1..281		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3982	Seq. ID	OJ990212_05.9819.C15
Gene No.	8404	Strand	-
Start	322	End	454
Name	OJ990212_05.9819.C15.o1.gs	Method	GENSCAN
Start	322	End	454
GI	none	Score	.73
Exons	322..454		

Seq. No.	3983	Seq. ID	OJ990212_05.9819.C16
Gene No.	8405	Strand	+
Start	1	End	3826
Name	OJ990212_05.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	3826
GI	5091513	Score	2041
Exons	1..684, 1339..2594, 2669..2846, 3368..3585, 3620..3826		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3983	Seq. ID	OJ990212_05.9819.C16
Gene No.	8406	Strand	+
Start	6194	End	7039
Name	OJ990212_05.9819.C16.o2.gs	Method	GENSCAN
Start	6194	End	7039
GI	none	Score	1
Exons	6194..7039		

Seq. No.	3983	Seq. ID	OJ990212_05.9819.C16
Gene No.	8407	Strand	-
Start	5271	End	5577
Name	OJ990212_05.9819.C16.o1.gp	Method	AAT/GAP
Start	5271	End	5577
GI	72524_1.R1084	Score	408
Exons	5271..5577		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	3984	Seq. ID	OJ990212_05.9819.C17
Gene No.	8408	Strand	+
Start	103	End	947
Name	OJ990212_05.9819.C17.o1.gs	Method	GENSCAN
Start	103	End	846
GI	none	Score	.51
Exons	103..197, 619..846		

Seq. No.	3984	Seq. ID	OJ990212_05.9819.C17
Gene No.	8408	Strand	+
Start	103	End	947

Name	OJ990212_05.9819.C17.o1.gp	Method	AAT/GAP
Start	171	End	757
GI	2310235	Score	305
Exons	171..208, 619..757		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	3984	Seq. ID	OJ990212_05.9819.C17
Gene No.	8408	Strand	+
Start	103	End	947
Name	OJ990212_05.9819.C17.o1.np	Method	AAT/NAP
Start	619	End	947
GI	5852182	Score	360
Exons	619..947		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	3985	Seq. ID	OJ990212_05.9819.C18
Gene No.	8409	Strand	+
Start	1	End	776
Name	OJ990212_05.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	776
GI	6907087	Score	193
Exons	1..129, 675..776		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3985	Seq. ID	OJ990212_05.9819.C18
Gene No.	8410	Strand	-
Start	185	End	451
Name	OJ990212_05.9819.C18.o1.gs	Method	GENSCAN
Start	185	End	451
GI	none	Score	.77
Exons	185..400, 409..451		

Seq. No.	3985	Seq. ID	OJ990212_05.9819.C18
Gene No.	8411	Strand	-
Start	669	End	775
Name	OJ990212_05.9819.C18.o2.gs	Method	GENSCAN
Start	669	End	775
GI	none	Score	.92
Exons	669..775		

Seq. No.	3986	Seq. ID	OJ990212_05.9819.C19
Gene No.	8412	Strand	-
Start	231	End	286
Name	OJ990212_05.9819.C19.o1.gs	Method	GENSCAN
Start	231	End	286
GI	none	Score	.79
Exons	231..286		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o1.np	Method	AAT/NAP
Start	10	End	2085
GI	4581164	Score	1605

Exons	10..864, 1018..2085		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	145	End	459
GI	none	Score	210
Exons	145..459, 325..456		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	160	End	645
GI	none	Score	463
Exons	160..645, 292..615		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o1.gs	Method	GENSCAN
Start	181	End	1718
GI	none	Score	.82
Exons	181..1718		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	220	End	591
GI	none	Score	378
Exons	220..591, 228..548		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	568	End	918
GI	none	Score	282
Exons	568..918, 586..642, 687..917		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	678	End	1206
GI	none	Score	254
Exons	678..881, 700..915, 910..1206, 948..1115		

Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o4.tw	Method	TBLASTX:Wheat
Start	700	End	918

GI	none	Score	198
Exons	700..918		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o4.ts	Method	TBLASTX:Soybean
Start	946	End	1191
GI	none	Score	210
Exons	946..1191, 984..1097		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o3.tw	Method	TBLASTX:Wheat
Start	949	End	1359
GI	none	Score	254
Exons	949..1359		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	1207	End	1602
GI	none	Score	114
Exons	1207..1362, 1378..1602		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	1360	End	1775
GI	none	Score	239
Exons	1360..1689, 1602..1676, 1683..1775		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	1609	End	2000
GI	none	Score	63
Exons	1609..1671, 1668..2000, 1668..1964, 1703..1990		
Seq. No.	3987	Seq. ID	OJ990212_05.9819.C21
Gene No.	8413	Strand	+
Start	10	End	2085
Name	OJ990212_05.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	1653	End	2000
GI	none	Score	314
Exons	1653..2000, 1655..1996		
Seq. No.	3988	Seq. ID	OJ990212_05.9819.C22
Gene No.	8414	Strand	-
Start	1	End	896
Name	OJ990212_05.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	896
GI	4680179	Score	901

Exons	1..64, 276..896		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	3988	Seq. ID	OJ990212_05.9819.C22
Gene No.	8414	Strand	-
Start	1	End	896
Name	OJ990212_05.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	291	End	431
GI	none	Score	117
Exons	291..431, 296..430		
Seq. No.	3988	Seq. ID	OJ990212_05.9819.C22
Gene No.	8414	Strand	-
Start	1	End	896
Name	OJ990212_05.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	317	End	747
GI	none	Score	56
Exons	317..430, 436..747, 437..517, 529..708		
Seq. No.	3988	Seq. ID	OJ990212_05.9819.C22
Gene No.	8414	Strand	-
Start	1	End	896
Name	OJ990212_05.9819.C22.o1.gs	Method	GENSCAN
Start	424	End	882
GI	none	Score	1
Exons	424..882		
Seq. No.	3988	Seq. ID	OJ990212_05.9819.C22
Gene No.	8414	Strand	-
Start	1	End	896
Name	OJ990212_05.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	436	End	835
GI	none	Score	224
Exons	436..747, 437..835		
Seq. No.	3989	Seq. ID	OJ990212_05.9819.C24
Gene No.	8415	Strand	+
Start	4910	End	6568
Name	OJ990212_05.9819.C24.o1.np	Method	AAT/NAP
Start	4910	End	6568
GI	6714358	Score	71
Exons	4910..5026, 5729..5889, 6536..6568		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3989	Seq. ID	OJ990212_05.9819.C24
Gene No.	8416	Strand	-
Start	342	End	6369
Name	OJ990212_05.9819.C24.o1.gs	Method	GENSCAN
Start	342	End	6369
GI	none	Score	.84
Exons	342..409, 1134..1241, 2267..2398, 2473..2661, 2740..2879, 2940..3059, 3291..3389, 3454..3604, 3682..3780, 3856..4053, 4133..4246, 4330..4467, 4556..5152, 6313..6369		
Seq. No.	3990	Seq. ID	OJ990212_05.9819.C25
Gene No.	8417	Strand	+
Start	53	End	134

Name	OJ990212_05.9819.C25.o1.np	Method	AAT/NAP
Start	53	End	134
GI	6322767	Score	84
Exons	53..134		
GI Descrip.	Ykl083wp gi|549700|sp|P36079|YKI3_YEAST HYPOTHETICAL 23.7 KD PROTEIN IN MDH1-VMA5 INTERGENIC REGION gi|539182|pir||S37908 hypothetical protein YKL083w - yeast (Saccharomyces cerevisiae) gi|486120|emb|CAA81920| (Z28082) ORF YKL083w [Saccharomyces cerevisiae]		

Seq. No.	3990	Seq. ID	OJ990212_05.9819.C25
Gene No.	8418	Strand	+
Start	59	End	138
Name	OJ990212_05.9819.C25.o1.gp	Method	AAT/GAP
Start	59	End	138
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	59..138		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3990	Seq. ID	OJ990212_05.9819.C25
Gene No.	8419	Strand	+
Start	1490	End	4305
Name	OJ990212_05.9819.C25.o1.gs	Method	GENSCAN
Start	1490	End	4305
GI	none	Score	.6
Exons	1490..1684, 2213..2422, 2865..3041, 3117..3392, 3408..3449, 3531..3728, 3805..3933, 4017..4147, 4230..4305		

Seq. No.	3991	Seq. ID	OJ990212_05.9819.C26
Gene No.	8420	Strand	-
Start	295	End	501
Name	OJ990212_05.9819.C26.o1.gs	Method	GENSCAN
Start	295	End	501
GI	none	Score	.55
Exons	295..501		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28
Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	844
GI	6554486	Score	388
Exons	1..844		
GI Descrip.	(AC012394) putative phytochrome A signaling protein [Arabidopsis thaliana]		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28
Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	74	End	592
GI	none	Score	73
Exons	74..256, 287..583, 311..592		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28

Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	74	End	463
GI	none	Score	107
Exons	74..268, 311..463		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28
Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.gs	Method	GENSCAN
Start	82	End	757
GI	none	Score	.65
Exons	82..757		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28
Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	311	End	634
GI	none	Score	299
Exons	311..634		

Seq. No.	3992	Seq. ID	OJ990212_05.9819.C28
Gene No.	8421	Strand	-
Start	1	End	844
Name	OJ990212_05.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	356	End	727
GI	none	Score	208
Exons	356..727		

Seq. No.	3993	Seq. ID	OJ990212_05.9819.C29
Gene No.	8422	Strand	+
Start	210	End	1241
Name	OJ990212_05.9819.C29.o1.np	Method	AAT/NAP
Start	210	End	1241
GI	6907087	Score	746
Exons	210..586, 795..1241		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3993	Seq. ID	OJ990212_05.9819.C29
Gene No.	8422	Strand	+
Start	210	End	1241
Name	OJ990212_05.9819.C29.o1.gs	Method	GENSCAN
Start	670	End	1231
GI	none	Score	.57
Exons	670..1231		

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8423	Strand	+
Start	1	End	278
Name	OJ990212_05.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	278
GI	6907087	Score	137
Exons	1..101, 177..278		

GI Descrip. (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8424	Strand	+
Start	745	End	1118
Name	OJ990212_05.9819.C30.o1.gp	Method	AAT/GAP
Start	745	End	1118
GI	uC-osf1cyp033a04b1	Score	533
Exons	745..1118		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8425	Strand	+
Start	1858	End	4713
Name	OJ990212_05.9819.C30.o4.np	Method	AAT/NAP
Start	1858	End	4713
GI	130582	Score	46
Exons	1858..1911, 3553..3665, 4652..4713		

GI Descrip. RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8425	Strand	+
Start	1858	End	4713
Name	OJ990212_05.9819.C30.o3.np	Method	AAT/NAP
Start	2351	End	4713
GI	4680179	Score	598
Exons	2351..3208, 3377..3612, 4652..4713		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8426	Strand	-
Start	674	End	879
Name	OJ990212_05.9819.C30.o2.np	Method	AAT/NAP
Start	674	End	879
GI	4680186	Score	206
Exons	674..879		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8427	Strand	
Start	2594	End	3133
Name	OJ990212_05.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	2594	End	2953
GI	none	Score	286
Exons	2594..2953, 2596..2949, 2663..2953		

Seq. No.	3994	Seq. ID	OJ990212_05.9819.C30
Gene No.	8427	Strand	
Start	2594	End	3133
Name	OJ990212_05.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	2834	End	3133

GI	none	Score	221
Exons	2834..3133, 2848..2937		

Seq. No.	3995	Seq. ID	OJ990212_05.9819.C31
Gene No.	8428	Strand	+
Start	270	End	381
Name	OJ990212_05.9819.C31.o1.gs	Method	GENSCAN
Start	270	End	381
GI	none	Score	.63
Exons	270..381		

Seq. No.	3995	Seq. ID	OJ990212_05.9819.C31
Gene No.	8429	Strand	-
Start	1	End	856
Name	OJ990212_05.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	856
GI	4680179	Score	438
Exons	1..471, 821..856		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3995	Seq. ID	OJ990212_05.9819.C31
Gene No.	8429	Strand	-
Start	1	End	856
Name	OJ990212_05.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	38	End	379
GI	none	Score	157
Exons	38..379, 71..379		

Seq. No.	3995	Seq. ID	OJ990212_05.9819.C31
Gene No.	8429	Strand	-
Start	1	End	856
Name	OJ990212_05.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	460	End	753
GI	none	Score	53
Exons	460..600, 467..526, 511..582, 604..753		

Seq. No.	3996	Seq. ID	OJ990212_05.9819.C33
Gene No.	8430	Strand	+
Start	1	End	522
Name	OJ990212_05.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	505
GI	3810596	Score	270
Exons	1..505		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3996	Seq. ID	OJ990212_05.9819.C33
Gene No.	8430	Strand	+
Start	1	End	522
Name	OJ990212_05.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	93	End	522
GI	none	Score	182
Exons	93..251, 94..330, 340..522		

Seq. No.	3996	Seq. ID	OJ990212_05.9819.C33
Gene No.	8430	Strand	+
Start	1	End	522

Name	OJ990212_05.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	94	End	375
GI	none	Score	199
Exons	94..375, 162..251		

Seq. No.	3997	Seq. ID	OJ990212_05.9819.C34
Gene No.	8431	Strand	+
Start	376	End	2579
Name	OJ990212_05.9819.C34.o1.gs	Method	GENSCAN
Start	376	End	2579
GI	none	Score	.82
Exons	376..681, 772..883, 1770..1853, 2038..2195, 2447..2579		

Seq. No.	3997	Seq. ID	OJ990212_05.9819.C34
Gene No.	8432	Strand	-
Start	4961	End	6460
Name	OJ990212_05.9819.C34.o2.gs	Method	GENSCAN
Start	4961	End	6460
GI	none	Score	.51
Exons	4961..5033, 5861..5891, 6397..6460		

Seq. No.	3998	Seq. ID	OJ990212_05.9819.C35
Gene No.	8433	Strand	+
Start	129	End	305
Name	OJ990212_05.9819.C35.o1.gs	Method	GENSCAN
Start	129	End	305
GI	none	Score	.94
Exons	129..305		

Seq. No.	3998	Seq. ID	OJ990212_05.9819.C35
Gene No.	8434	Strand	-
Start	1929	End	3832
Name	OJ990212_05.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	1588	End	2291
GI	none	Score	36
Exons	1588..1746, 1591..1728, 1591..1689, 1606..1731, 1619..1732, 1661..1732, 1724..1843, 1732..1851, 1739..1870, 1764..1868, 1767..1844, 1769..1852, 1769..1846, 1770..1877, 1770..1877, 1770..1943, 1869..2015, 1869..2000, 1876..2010, 1887..2039, 1887..2042, 1894..2067, 1898..1999, 1902..2060, 1902..2051, 1989..2078, 1990..2079, 2029..2223, 2043..2135, 2043..2261, 2044..2133, 2076..2243, 2085..2240, 2109..2291, 2116..2241, 2161..2187		

Seq. No.	3998	Seq. ID	OJ990212_05.9819.C35
Gene No.	8434	Strand	-
Start	1929	End	3832
Name	OJ990212_05.9819.C35.o2.gs	Method	GENSCAN
Start	1929	End	3832
GI	none	Score	.67
Exons	1929..2066, 3283..3455, 3563..3642, 3813..3832		

Seq. No.	3999	Seq. ID	OJ990212_05.9819.C36
Gene No.	8435	Strand	+
Start	1472	End	1665
Name	OJ990212_05.9819.C36.o1.np	Method	AAT/NAP
Start	1472	End	1665

GI	132800	Score	65
Exons	1472..1665		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71301|pir||R5ZM23 ribosomal protein L23 - maize chloroplast gi|12418|emb|CAA30712| (X07864) ribosomal protein L23 [Zea mays] gi|902265|emb|CAA60330| (X86563) ribosomal protein L23 [Zea mays] gi|902306|emb|CAA60370| (X86563) ribosomal protein L23 [Zea mays]		

Seq. No.	3999	Seq. ID	OJ990212_05.9819.C36
Gene No.	8436	Strand	-
Start	36	End	1514
Name	OJ990212_05.9819.C36.o1.gs	Method	GENSCAN
Start	36	End	1514
GI	none	Score	.58
Exons	36..208, 494..561, 1455..1514		

Seq. No.	3999	Seq. ID	OJ990212_05.9819.C36
Gene No.	8437	Strand	-
Start	2631	End	2849
Name	OJ990212_05.9819.C36.o2.np	Method	AAT/NAP
Start	2631	End	2849
GI	4680199	Score	35
Exons	2631..2849		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4000	Seq. ID	OJ990212_05.9819.C37
Gene No.	8438	Strand	+
Start	4943	End	8075
Name	OJ990212_05.9819.C37.o1.np	Method	AAT/NAP
Start	4943	End	8075
GI	5091513	Score	484
Exons	4943..5248, 7572..8075		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4000	Seq. ID	OJ990212_05.9819.C37
Gene No.	8439	Strand	-
Start	6807	End	7514
Name	OJ990212_05.9819.C37.o2.gs	Method	GENSCAN
Start	6807	End	7514
GI	none	Score	.6
Exons	6807..6850, 7217..7514		

Seq. No.	4000	Seq. ID	OJ990212_05.9819.C37
Gene No.	8439	Strand	-
Start	6807	End	7514
Name	OJ990212_05.9819.C37.o1.gp	Method	AAT/GAP
Start	6885	End	7191
GI	72524_1.R1084	Score	408
Exons	6885..7191		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4001	Seq. ID	OJ990212_05.9819.C38
Gene No.	8440	Strand	+
Start	1	End	712
Name	OJ990212_05.9819.C38.o1.np	Method	AAT/NAP

Start	1	End	712
GI	5091513	Score	727
Exons	1..712		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4001	Seq. ID	OJ990212_05.9819.C38
Gene No.	8440	Strand	+
Start	1	End	712
Name	OJ990212_05.9819.C38.o1.gs	Method	GENSCAN
Start	232	End	640
GI	none	Score	.59
Exons	232..640		

Seq. No.	4002	Seq. ID	OJ990212_05.9819.C39
Gene No.	8441	Strand	-
Start	62	End	724
Name	OJ990212_05.9819.C39.o1.np	Method	AAT/NAP
Start	62	End	724
GI	418604	Score	1139
Exons	62..724		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o1.gs	Method	GENSCAN
Start	848	End	6439
GI	none	Score	.43
Exons	848..1615, 1666..1694, 1922..5399, 5424..6439		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o2.tw	Method	TBLASTX:Wheat
Start	1619	End	5425
GI	none	Score	52
Exons	1619..1681, 4858..5424, 4889..5425		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o1.np	Method	AAT/NAP
Start	1919	End	6436
GI	4680179	Score	5392
Exons	1919..3001, 3035..6436		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o9.tw	Method	TBLASTX:Wheat
Start	2132	End	2358
GI	none	Score	211
Exons	2132..2152, 2159..2356, 2161..2358		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40

Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o7.tw	Method	TBLASTX:Wheat
Start	2392	End	2743
GI	none	Score	292
Exons	2392..2586, 2393..2743		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o6.tm	Method	TBLASTX:Maize
Start	2393	End	2698
GI	none	Score	222
Exons	2393..2698, 2407..2523		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o7.tm	Method	TBLASTX:Maize
Start	3026	End	3379
GI	none	Score	185
Exons	3026..3379		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o8.tw	Method	TBLASTX:Wheat
Start	3062	End	3499
GI	none	Score	161
Exons	3062..3271, 3118..3270, 3316..3429, 3317..3430, 3458..3499		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o4.tw	Method	TBLASTX:Wheat
Start	3595	End	4081
GI	none	Score	52
Exons	3595..4038, 3599..3649, 3704..4081		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o5.tm	Method	TBLASTX:Maize
Start	3610	End	3900
GI	none	Score	276
Exons	3610..3900, 3611..3898		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o3.tm	Method	TBLASTX:Maize
Start	3968	End	4468
GI	none	Score	166
Exons	3968..4147, 3976..4095, 4154..4468, 4219..4347, 4375..4425		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+

Start	848	End	6439
Name	OJ990212_05.9819.C40.o1.ts	Method	TBLASTX:Soybean
Start	4022	End	4417
GI	none	Score	53
Exons	4022..4054, 4058..4417, 4060..4095, 4126..4416		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o5.tw	Method	TBLASTX:Wheat
Start	4130	End	4432
GI	none	Score	374
Exons	4130..4432, 4132..4416		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o3.tw	Method	TBLASTX:Wheat
Start	4433	End	4855
GI	none	Score	585
Exons	4433..4855, 4465..4854		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o3.ts	Method	TBLASTX:Soybean
Start	4439	End	4684
GI	none	Score	208
Exons	4439..4684, 4456..4683		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o2.tm	Method	TBLASTX:Maize
Start	4504	End	4867
GI	none	Score	478
Exons	4504..4854, 4505..4858, 4505..4867		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o2.ts	Method	TBLASTX:Soybean
Start	5213	End	5474
GI	none	Score	286
Exons	5213..5473, 5218..5472, 5292..5474		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o4.tm	Method	TBLASTX:Maize
Start	5271	End	5563
GI	none	Score	101
Exons	5271..5459, 5272..5559, 5273..5563		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439

Name	OJ990212_05.9819.C40.o1.tw	Method	TBLASTX:Wheat
Start	5432	End	6058
GI	none	Score	694
Exons	5432..6058, 5488..6057		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	5612	End	6211
GI	none	Score	231
Exons	5612..5773, 5620..5766, 5770..6195, 5771..6211		

Seq. No.	4003	Seq. ID	OJ990212_05.9819.C40
Gene No.	8442	Strand	+
Start	848	End	6439
Name	OJ990212_05.9819.C40.o6.tw	Method	TBLASTX:Wheat
Start	6058	End	6391
GI	none	Score	314
Exons	6058..6327, 6059..6391, 6068..6370		

Seq. No.	4004	Seq. ID	OJ990212_05.9819.C41
Gene No.	8443	Strand	+
Start	113	End	599
Name	OJ990212_05.9819.C41.o1.gs	Method	GENSCAN
Start	113	End	599
GI	none	Score	.85
Exons	113..185, 514..599		

Seq. No.	4004	Seq. ID	OJ990212_05.9819.C41
Gene No.	8444	Strand	+
Start	1206	End	1409
Name	OJ990212_05.9819.C41.o2.gp	Method	AAT/GAP
Start	1028	End	1409
GI	uC-osflcyp033a04b1	Score	675
Exons	1028..1409		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4004	Seq. ID	OJ990212_05.9819.C41
Gene No.	8444	Strand	+
Start	1206	End	1409
Name	OJ990212_05.9819.C41.o2.gs	Method	GENSCAN
Start	1206	End	1277
GI	none	Score	.42
Exons	1206..1277		

Seq. No.	4004	Seq. ID	OJ990212_05.9819.C41
Gene No.	8445	Strand	-
Start	961	End	1158
Name	OJ990212_05.9819.C41.o1.np	Method	AAT/NAP
Start	961	End	1158
GI	4680186	Score	326
Exons	961..1158		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4005	Seq. ID	OJ990212_05.9819.C43

Gene No.	8446	Strand	+
Start	909	End	2372
Name	OJ990212_05.9819.C43.o1.gp	Method	AAT/GAP
Start	804	End	1189
GI	uC-osflcyp033a04b1	Score	633
Exons	804..1189		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4005	Seq. ID	OJ990212_05.9819.C43
Gene No.	8446	Strand	+
Start	909	End	2372
Name	OJ990212_05.9819.C43.o2.gs	Method	GENSCAN
Start	909	End	2372
GI	none	Score	.65
Exons	909..974, 2073..2202, 2245..2372		

Seq. No.	4005	Seq. ID	OJ990212_05.9819.C43
Gene No.	8447	Strand	-
Start	243	End	374
Name	OJ990212_05.9819.C43.o1.gs	Method	GENSCAN
Start	243	End	374
GI	none	Score	.47
Exons	243..374		

Seq. No.	4005	Seq. ID	OJ990212_05.9819.C43
Gene No.	8448	Strand	-
Start	737	End	2393
Name	OJ990212_05.9819.C43.o1.np	Method	AAT/NAP
Start	737	End	2393
GI	4680186	Score	343
Exons	737..938, 1775..1826, 2288..2393		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o1.np	Method	AAT/NAP
Start	182	End	1684
GI	4680179	Score	1067
Exons	182..1246, 1280..1684		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o1.gs	Method	GENSCAN
Start	185	End	1358
GI	none	Score	.86
Exons	185..1358		

Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o2.tw	Method	TBLASTX:Wheat
Start	347	End	606
GI	none	Score	211

Exons	347..391, 407..604, 409..606		
Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	633	End	991
GI	none	Score	55
Exons	633..809, 640..834, 641..991		
Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	641	End	946
GI	none	Score	232
Exons	641..946, 655..771		
Seq. No.	4006	Seq. ID	OJ990212_05.9819.C44
Gene No.	8449	Strand	+
Start	182	End	1684
Name	OJ990212_05.9819.C44.o3.tw	Method	TBLASTX:Wheat
Start	1187	End	1564
GI	none	Score	59
Exons	1187..1282, 1272..1322, 1310..1564, 1363..1503		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o1.np	Method	AAT/NAP
Start	1	End	1380
GI	4680179	Score	1909
Exons	1..68, 98..1380		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o2.tw	Method	TBLASTX:Wheat
Start	126	End	369
GI	none	Score	114
Exons	126..365, 126..365, 127..369		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o1.gs	Method	GENSCAN
Start	142	End	1383
GI	none	Score	.42
Exons	142..1383		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	157	End	417
GI	none	Score	297

Exons	157..417, 162..416		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o2.tm	Method	TBLASTX:Maize
Start	215	End	507
GI	none	Score	89
Exons	215..376, 216..503, 217..507		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o1.tw	Method	TBLASTX:Wheat
Start	376	End	1002
GI	none	Score	707
Exons	376..1002, 432..890, 877..999		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	556	End	1155
GI	none	Score	231
Exons	556..717, 558..710, 714..1139, 715..1155		
Seq. No.	4007	Seq. ID	OJ990212_05.9819.C45
Gene No.	8450	Strand	+
Start	1	End	1383
Name	OJ990212_05.9819.C45.o3.tw	Method	TBLASTX:Wheat
Start	1002	End	1335
GI	none	Score	329
Exons	1002..1271, 1003..1335, 1006..1314		
Seq. No.	4008	Seq. ID	OJ990212_05.9819.C46
Gene No.	8451	Strand	+
Start	511	End	615
Name	OJ990212_05.9819.C46.o1.gs	Method	GENSCAN
Start	511	End	615
GI	none	Score	.86
Exons	511..615		
Seq. No.	4009	Seq. ID	OJ990212_06.9819.C3
Gene No.	8452	Strand	+
Start	524	End	562
Name	OJ990212_06.9819.C3.o1.gs	Method	GENSCAN
Start	524	End	562
GI	none	Score	.73
Exons	524..562		
Seq. No.	4010	Seq. ID	OJ990212_06.9819.C5
Gene No.	8453	Strand	+
Start	20	End	860
Name	OJ990212_06.9819.C5.o1.np	Method	AAT/NAP
Start	20	End	749
GI	2459430	Score	170
Exons	20..268, 344..545, 726..749		

GI Descrip.	(AC002332) putative NAM (no apical meristem)-like protein [Arabidopsis thaliana]		
Seq. No.	4010	Seq. ID	OJ990212_06.9819.C5
Gene No.	8453	Strand	+
Start	20	End	860
Name	OJ990212_06.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	75	End	512
GI	none	Score	101
Exons	75..212, 297..335, 315..332, 348..512, 365..511		
Seq. No.	4010	Seq. ID	OJ990212_06.9819.C5
Gene No.	8453	Strand	+
Start	20	End	860
Name	OJ990212_06.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	75	End	860
GI	none	Score	173
Exons	75..212, 80..208, 287..400, 294..419, 405..518, 416..520, 717..752, 783..860		
Seq. No.	4010	Seq. ID	OJ990212_06.9819.C5
Gene No.	8453	Strand	+
Start	20	End	860
Name	OJ990212_06.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	75	End	518
GI	none	Score	84
Exons	75..212, 93..200, 315..359, 317..331, 348..518, 359..517		
Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8454	Strand	+
Start	3975	End	8135
Name	OJ990212_06.9819.C7.o2.gp	Method	AAT/GAP
Start	3948	End	4471
GI	none	Score	910
Exons	3948..4471		
Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8454	Strand	+
Start	3975	End	8135
Name	OJ990212_06.9819.C7.o3.gs	Method	GENSCAN
Start	3975	End	8135
GI	none	Score	.86
Exons	3975..4042, 4229..4311, 4649..4686, 4781..4851, 5216..5318, 5442..5556, 5665..5732, 6166..6849, 7055..7156, 7764..8135		
Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8454	Strand	+
Start	3975	End	8135
Name	OJ990212_06.9819.C7.o1.np	Method	AAT/NAP
Start	5080	End	8132
GI	2829923	Score	1073
Exons	5080..5150, 5273..5318, 5442..5556, 5665..5732, 6166..6495, 6526..6653, 6684..6849, 7055..7156, 7764..7993, 8027..8132		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		
Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7

Gene No.	8455	Strand	-
Start	404	End	1739
Name	OJ990212_06.9819.C7.o1.gs	Method	GENSCAN
Start	404	End	1739
GI	none	Score	.67
Exons	404..501, 985..1097, 1603..1664, 1722..1739		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8456	Strand	-
Start	7896	End	8403
Name	OJ990212_06.9819.C7.o3.gp	Method	AAT/GAP
Start	7896	End	8403
GI	36648_1.R1084	Score	740
Exons	7896..8403		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	5098	End	7910
GI	none	Score	89
Exons	5098..5148, 5274..5321, 5441..5554, 5442..5555, 5660..5734, 5664..5735, 6216..6428, 6217..6477, 6565..6591, 6685..6834, 7770..7910		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	5119	End	6834
GI	none	Score	52
Exons	5119..5151, 5271..5321, 5423..5554, 5442..5555, 5660..5728, 5664..5729, 6685..6834		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	5414	End	6591
GI	none	Score	127
Exons	5414..5554, 5442..5555, 6222..6425, 6226..6483, 6349..6447, 6541..6591, 6561..6590		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	6223	End	7910
GI	none	Score	238
Exons	6223..6477, 7770..7910		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o3.tm	Method	TBLASTX:Maize

Start	7076	End	7936
GI	none	Score	108
Exons	7076..7156, 7078..7164, 7084..7164, 7761..7934, 7761..7934, 7763..7936		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o2.np	Method	AAT/NAP
Start	8965	End	11092
GI	2829925	Score	966
Exons	8965..9042, 9136..9261, 9614..9792, 9874..10032, 10123..10252, 10395..10548, 10660..10745, 10862..10915, 11006..11092		
GI Descrip.	(AC002291) Similar to dnaj-like protein, gp|Y11969|2230757 [Arabidopsis thaliana]		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o4.gs	Method	GENSCAN
Start	9100	End	11407
GI	none	Score	.9
Exons	9100..9261, 9367..9447, 9614..9811, 9923..10032, 10123..10252, 10395..10548, 10660..10742, 11006..11119, 11145..11184, 11292..11407		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	9367	End	11087
GI	none	Score	68
Exons	9367..9447, 9368..9448, 9611..9793, 9612..9794, 9870..10028, 9872..10036, 10127..10249, 10441..10554, 10470..10547, 10660..10776, 10662..10745, 10850..10921, 10854..10916, 11001..11087, 11006..11086		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	9590	End	10551
GI	none	Score	77
Exons	9590..9712, 9606..9845, 9611..9793, 9870..10034, 9872..10036, 10130..10255, 10167..10256, 10395..10550, 10407..10541, 10438..10551		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	9611	End	10034
GI	none	Score	60
Exons	9611..9742, 9612..9770, 9870..10034, 9872..10033, 9906..10034		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-

Start	9100	End	11407
Name	OJ990212_06.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	9690	End	10255
GI	none	Score	148
Exons	9690..9794, 9691..9789, 9870..10031, 9872..10048, 9874..10032, 10124..10255, 10167..10250		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	10496	End	11087
GI	none	Score	80
Exons	10496..10549, 10497..10550, 10498..10551, 10659..10745, 10673..10762, 10850..10921, 10857..10916, 11006..11086, 11007..11087		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	10662	End	11138
GI	none	Score	57
Exons	10662..10745, 10663..10749, 10665..10748, 10708..10749, 10850..10921, 10854..10907, 10856..10924, 11001..11138, 11006..11086		

Seq. No.	4011	Seq. ID	OJ990212_06.9819.C7
Gene No.	8457	Strand	-
Start	9100	End	11407
Name	OJ990212_06.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	10671	End	11086
GI	none	Score	51
Exons	10671..10745, 10678..10737, 10851..10916, 10854..10916, 10855..10917, 10856..10921, 10998..11030, 11006..11086, 11007..11084		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8458	Strand	+
Start	288	End	1641
Name	OJ990212_06.9819.C8.o1.np	Method	AAT/NAP
Start	288	End	1641
GI	4481948	Score	116
Exons	288..441, 1189..1641		
GI Descrip.	(AL035637) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8459	Strand	+
Start	3643	End	3984
Name	OJ990212_06.9819.C8.o2.np	Method	AAT/NAP
Start	3643	End	3984
GI	2792151	Score	203
Exons	3643..3984		
GI Descrip.	(Y16182) hypothetical protein [Oryza sativa]		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-

Start	1165	End	3553
Name	OJ990212_06.9819.C8.o1.gs	Method	GENSCAN
Start	1165	End	3538
GI	none	Score	.88
Exons	1165..1723, 3162..3331, 3447..3538		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-
Start	1165	End	3553
Name	OJ990212_06.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1541
GI	none	Score	128
Exons	1182..1337, 1183..1539, 1183..1416, 1194..1541		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-
Start	1165	End	3553
Name	OJ990212_06.9819.C8.o1.gp	Method	AAT/GAP
Start	1622	End	1965
GI	none	Score	618
Exons	1622..1965		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-
Start	1165	End	3553
Name	OJ990212_06.9819.C8.o2.gp	Method	AAT/GAP
Start	2962	End	3553
GI	16974_1.R1084	Score	834
Exons	2962..3331, 3447..3553		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-
Start	1165	End	3553
Name	OJ990212_06.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	3158	End	3545
GI	none	Score	163
Exons	3158..3226, 3162..3332, 3171..3332, 3424..3528, 3444..3539, 3444..3545, 3445..3540		

Seq. No.	4012	Seq. ID	OJ990212_06.9819.C8
Gene No.	8460	Strand	-
Start	1165	End	3553
Name	OJ990212_06.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	3161	End	3545
GI	none	Score	125
Exons	3161..3226, 3177..3338, 3439..3522, 3444..3545, 3445..3540		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8461	Strand	+
Start	207	End	1731
Name	OJ990212_06.9819.C10.o1.np	Method	AAT/NAP
Start	207	End	1731
GI	4234846	Score	920
Exons	207..1731		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8461	Strand	+
Start	207	End	1731
Name	OJ990212_06.9819.C10.o1.gs	Method	GENSCAN
Start	263	End	1013
GI	none	Score	.5
Exons	263..350, 736..1013		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8462	Strand	-
Start	2120	End	7796
Name	OJ990212_06.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	296	End	1314
GI	none	Score	243
Exons	296..517, 298..516, 381..524, 518..835, 519..836, 525..842, 676..846, 763..846, 834..896, 894..971, 897..971, 957..1052, 965..1045, 1152..1244, 1158..1238, 1163..1270, 1247..1288, 1248..1307, 1249..1314		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8462	Strand	-
Start	2120	End	7796
Name	OJ990212_06.9819.C10.o2.gs	Method	GENSCAN
Start	2120	End	7729
GI	none	Score	.7
Exons	2120..2326, 2948..3124, 3439..3518, 6040..6136, 7213..7342, 7615..7729		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8462	Strand	-
Start	2120	End	7796
Name	OJ990212_06.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	3277	End	6103
GI	none	Score	65
Exons	3277..3333, 3278..3322, 3429..3509, 3439..3531, 3440..3532, 3440..3532, 4107..4205, 4107..4202, 5140..5199, 5141..5200, 5144..5200, 5261..5347, 5271..5336, 6042..6098, 6047..6103, 6048..6098, 6049..6099		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8462	Strand	-
Start	2120	End	7796
Name	OJ990212_06.9819.C10.o1.gp	Method	AAT/GAP
Start	3278	End	3508
GI	16974_1.R1084	Score	152
Exons	3278..3321, 3439..3508		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	4013	Seq. ID	OJ990212_06.9819.C10
Gene No.	8462	Strand	-
Start	2120	End	7796
Name	OJ990212_06.9819.C10.o2.gp	Method	AAT/GAP
Start	5272	End	7796
GI	none	Score	870
Exons	5272..5327, 6048..6136, 7213..7342, 7615..7796		

Seq. No.	4014	Seq. ID	OJ990212_06.9819.C11

Gene No.	8463	Strand	+
Start	2668	End	5483
Name	OJ990212_06.9819.C11.o1.gs	Method	GENSCAN
Start	2668	End	5483
GI	none	Score	.77
Exons	2668..2983, 3087..3237, 3641..3668, 4115..4233, 5363..5483		

Seq. No.	4014	Seq. ID	OJ990212_06.9819.C11
Gene No.	8464	Strand	-
Start	7377	End	7674
Name	OJ990212_06.9819.C11.o2.gs	Method	GENSCAN
Start	7377	End	7674
GI	none	Score	.78
Exons	7377..7447, 7614..7674		

Seq. No.	4015	Seq. ID	OJ990212_06.9819.C12
Gene No.	8465	Strand	+
Start	1831	End	2944
Name	OJ990212_06.9819.C12.o1.gs	Method	GENSCAN
Start	1831	End	2922
GI	none	Score	.86
Exons	1831..2034, 2598..2922		

Seq. No.	4015	Seq. ID	OJ990212_06.9819.C12
Gene No.	8465	Strand	+
Start	1831	End	2944
Name	OJ990212_06.9819.C12.o1.np	Method	AAT/NAP
Start	1922	End	2944
GI	3540195	Score	144
Exons	1922..2065, 2632..2944		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	4015	Seq. ID	OJ990212_06.9819.C12
Gene No.	8465	Strand	+
Start	1831	End	2944
Name	OJ990212_06.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	2638	End	2922
GI	none	Score	51
Exons	2638..2697, 2734..2922, 2760..2918		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1372
GI	3540195	Score	532
Exons	1..23, 830..1372		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.gs	Method	GENSCAN
Start	829	End	1488
GI	none	Score	.85
Exons	829..1488		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	837	End	1158
GI	none	Score	276
Exons	837..1031, 838..1041, 1113..1157, 1117..1158		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	837	End	1368
GI	none	Score	299
Exons	837..1031, 838..1041, 1101..1241, 1102..1368		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	837	End	1041
GI	none	Score	293
Exons	837..1031, 838..1041		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	952	End	1335
GI	none	Score	153
Exons	952..1041, 954..1031, 1101..1241, 1102..1335		

Seq. No.	4016	Seq. ID	OJ990212_06.9819.C13
Gene No.	8466	Strand	+
Start	1	End	1488
Name	OJ990212_06.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	1117	End	1368
GI	none	Score	248
Exons	1117..1302, 1119..1250, 1312..1368		

Seq. No.	4017	Seq. ID	OJ990212_06.9819.C14
Gene No.	8467	Strand	+
Start	195	End	384
Name	OJ990212_06.9819.C14.o1.gs	Method	GENSCAN
Start	195	End	384
GI	none	Score	.97
Exons	195..384		

Seq. No.	4017	Seq. ID	OJ990212_06.9819.C14
Gene No.	8468	Strand	-
Start	1179	End	2416
Name	OJ990212_06.9819.C14.o2.gs	Method	GENSCAN
Start	1179	End	2416
GI	none	Score	.69
Exons	1179..1304, 2255..2416		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16

Gene No.	8469	Strand	+
Start	77	End	1803
Name	OJ990212_06.9819.C16.o1.np	Method	AAT/NAP
Start	77	End	1803
GI	4204912	Score	357
Exons	77..141, 549..709, 798..873, 1533..1592, 1693..1803		
GI Descrip.	(U58918) MEK kinase [Arabidopsis thaliana]		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16
Gene No.	8469	Strand	+
Start	77	End	1803
Name	OJ990212_06.9819.C16.o1.gp	Method	AAT/GAP
Start	795	End	1728
GI	LIB3474-005-P1-K1-G2	Score	287
Exons	795..873, 1533..1592, 1693..1728		
GI Descrip.	'3688193/emb|CAA08995.1| 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16
Gene No.	8470	Strand	-
Start	1502	End	1604
Name	OJ990212_06.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	542	End	1595
GI	none	Score	245
Exons	542..709, 543..710, 549..719, 790..822, 1560..1595		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16
Gene No.	8470	Strand	-
Start	1502	End	1604
Name	OJ990212_06.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	542	End	912
GI	none	Score	251
Exons	542..709, 543..710, 765..872, 788..895, 790..912, 793..876, 818..877		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16
Gene No.	8470	Strand	-
Start	1502	End	1604
Name	OJ990212_06.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	542	End	896
GI	none	Score	255
Exons	542..709, 543..749, 570..749, 571..762, 789..872, 790..873, 791..874, 795..896, 830..874		

Seq. No.	4018	Seq. ID	OJ990212_06.9819.C16
Gene No.	8470	Strand	-
Start	1502	End	1604
Name	OJ990212_06.9819.C16.o1.gs	Method	GENSCAN
Start	1502	End	1604
GI	none	Score	.79
Exons	1502..1604		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8471	Strand	+
Start	1	End	1275
Name	OJ990212_06.9819.C17.o1.gp	Method	AAT/GAP
Start	1	End	247

GI	LIB3474-005-P1-K1-G2	Score	184
Exons	1..44, 188..247		
GI Descrip.	'3688193/emb|CAA08995.1| 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8471	Strand	+
Start	1	End	1275
Name	OJ990212_06.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	1218
GI	3688193	Score	216
Exons	1..44, 188..384, 852..1218		
GI Descrip.	(AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8471	Strand	+
Start	1	End	1275
Name	OJ990212_06.9819.C17.o1.gs	Method	GENSCAN
Start	188	End	1275
GI	none	Score	.86
Exons	188..427, 763..1275		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8472	Strand	+
Start	2163	End	4403
Name	OJ990212_06.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	187	End	1222
GI	none	Score	223
Exons	187..375, 188..364, 816..866, 817..873, 932..1093, 963..1088, 964..1089, 1124..1222		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8472	Strand	+
Start	2163	End	4403
Name	OJ990212_06.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	187	End	1078
GI	none	Score	190
Exons	187..381, 188..385, 992..1078		

Seq. No.	4019	Seq. ID	OJ990212_06.9819.C17
Gene No.	8472	Strand	+
Start	2163	End	4403
Name	OJ990212_06.9819.C17.o2.gs	Method	GENSCAN
Start	2163	End	4403
GI	none	Score	.4
Exons	2163..2210, 3175..3334, 4324..4403		

Seq. No.	4020	Seq. ID	OJ990212_06.9819.C18
Gene No.	8473	Strand	-
Start	477	End	711
Name	OJ990212_06.9819.C18.o1.gp	Method	AAT/GAP
Start	477	End	711
GI	16974_1.R1084	Score	141
Exons	477..524, 642..711		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	4020	Seq. ID	OJ990212_06.9819.C18

Gene No.	8474	Strand	-
Start	642	End	1371
Name	OJ990212_06.9819.C18.o1.gs	Method	GENSCAN
Start	642	End	1371
GI	none	Score	.94
Exons	642..721, 1314..1371		

Seq. No.	4021	Seq. ID	OJ990212_06.9819.C20
Gene No.	8475	Strand	+
Start	270	End	1142
Name	OJ990212_06.9819.C20.o1.gs	Method	GENSCAN
Start	270	End	887
GI	none	Score	.86
Exons	270..628, 711..887		

Seq. No.	4021	Seq. ID	OJ990212_06.9819.C20
Gene No.	8475	Strand	+
Start	270	End	1142
Name	OJ990212_06.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	382	End	556
GI	none	Score	194
Exons	382..546, 383..556		

Seq. No.	4021	Seq. ID	OJ990212_06.9819.C20
Gene No.	8475	Strand	+
Start	270	End	1142
Name	OJ990212_06.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	409	End	633
GI	none	Score	72
Exons	409..609, 410..625, 421..633		

Seq. No.	4021	Seq. ID	OJ990212_06.9819.C20
Gene No.	8475	Strand	+
Start	270	End	1142
Name	OJ990212_06.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	561	End	1142
GI	none	Score	104
Exons	561..620, 563..637, 563..637, 728..781, 898..1137, 898..1140, 899..1141, 900..1142		

Seq. No.	4022	Seq. ID	OJ990212_06.9819.C21
Gene No.	8476	Strand	+
Start	389	End	554
Name	OJ990212_06.9819.C21.o1.gp	Method	AAT/GAP
Start	389	End	509
GI	none	Score	185
Exons	389..509		

Seq. No.	4022	Seq. ID	OJ990212_06.9819.C21
Gene No.	8476	Strand	+
Start	389	End	554
Name	OJ990212_06.9819.C21.o1.gs	Method	GENSCAN
Start	404	End	554
GI	none	Score	.77
Exons	404..554		

Seq. No.	4022	Seq. ID	OJ990212_06.9819.C21

Gene No.	8477	Strand	-
Start	1578	End	2195
Name	OJ990212_06.9819.C21.o2.gs	Method	GENSCAN
Start	1578	End	2195
GI	none	Score	.73
Exons	1578..1700, 2058..2195		

Seq. No.	4023	Seq. ID	OJ990212_06.9819.C23
Gene No.	8478	Strand	-
Start	461	End	593
Name	OJ990212_06.9819.C23.o1.gs	Method	GENSCAN
Start	461	End	593
GI	none	Score	.79
Exons	461..593		

Seq. No.	4023	Seq. ID	OJ990212_06.9819.C23
Gene No.	8479	Strand	-
Start	505	End	688
Name	OJ990212_06.9819.C23.o1.gp	Method	AAT/GAP
Start	505	End	688
GI	none	Score	297
Exons	505..688		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o1.gs	Method	GENSCAN
Start	432	End	9560
GI	none	Score	.6
Exons	432..515, 583..900, 1228..1439, 1595..1718, 1774..1852, 3354..3628, 3769..3855, 4701..4892, 5401..5554, 5844..5920, 6351..6396, 6884..6970, 7370..7516, 8759..9257, 9297..9356, 9501..9560		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	775	End	1759
GI	none	Score	88
Exons	775..906, 779..901, 1192..1437, 1235..1360, 1574..1651, 1667..1759		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o3.ts	Method	TBLASTX:Soybean
Start	1228	End	1440
GI	none	Score	113
Exons	1228..1437, 1229..1360, 1321..1440		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o3.tm	Method	TBLASTX:Maize
Start	1259	End	1618
GI	none	Score	140

Exons	1259..1372, 1261..1437, 1262..1468, 1321..1440, 1398..1469, 1544..1618, 1547..1591, 1575..1616		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o4.ts	Method	TBLASTX:Soybean
Start	1574	End	1762
GI	none	Score	57
Exons	1574..1645, 1578..1619, 1667..1762, 1683..1751		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	3323	End	4820
GI	none	Score	384
Exons	3323..3634, 3333..3629, 3371..3652, 3764..3856, 3768..3857, 3768..3854, 3769..3855, 4304..4366, 4309..4371, 4683..4820, 4689..4817		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o2.np	Method	AAT/NAP
Start	3338	End	3677
GI	5881778	Score	183
Exons	3338..3677		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o2.ts	Method	TBLASTX:Soybean
Start	3350	End	4779
GI	none	Score	188
Exons	3350..3634, 3375..3629, 3392..3631, 4303..4371, 4689..4772, 4695..4772, 4711..4779		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o3.tc	Method	TBLASTX:Cress
Start	3386	End	3602
GI	none	Score	108
Exons	3386..3481, 3387..3470, 3474..3602, 3494..3601		
Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o1.gp	Method	AAT/GAP
Start	3434	End	5489
GI	27880_1.R1084	Score	908
Exons	3434..3628, 3769..3855, 4306..4365, 4701..4769, 5401..5489		
GI Descrip.	'5881778/emb|CAB55696.1| 9.0e-13 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o3.np	Method	AAT/NAP
Start	5392	End	9033
GI	5881779	Score	540
Exons	5392..5554, 5844..5920, 6351..6396, 7370..7516, 8759..9033		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o4.tm	Method	TBLASTX:Maize
Start	5398	End	6970
GI	none	Score	202
Exons	5398..5553, 5402..5554, 5403..5555, 5403..5561, 5829..5921, 5843..5932, 5843..5923, 6349..6393, 6351..6389, 6351..6395, 6352..6393, 6905..6970, 6910..6969		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o2.gp	Method	AAT/GAP
Start	6865	End	9405
GI	20855_1.R1084	Score	1360
Exons	6865..6970, 7370..7516, 8759..9177, 9297..9405		
GI Descrip.	'5881779/emb|CAB55697.1| 2.0e-43 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	7393	End	8994
GI	none	Score	62
Exons	7393..7449, 7394..7450, 7453..7515, 7464..7517, 8749..8847, 8753..8992, 8764..8994		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o2.tc	Method	TBLASTX:Cress
Start	7462	End	8994
GI	none	Score	144
Exons	7462..7524, 8753..8962, 8767..8994		

Seq. No.	4024	Seq. ID	OJ990212_06.9819.C24
Gene No.	8480	Strand	-
Start	432	End	9560
Name	OJ990212_06.9819.C24.o2.tm	Method	TBLASTX:Maize
Start	7465	End	9084
GI	none	Score	309
Exons	7465..7515, 8750..9079, 8764..8994, 9052..9084		

Seq. No.	4025	Seq. ID	OJ990212_06.9819.C25
Gene No.	8481	Strand	+
Start	137	End	3625

Name	OJ990212_06.9819.C25.o1.gs	Method	GENSCAN
Start	137	End	2636
GI	none	Score	.44
Exons	137..271, 1786..1816, 2150..2215, 2515..2636		

Seq. No.	4025	Seq. ID	OJ990212_06.9819.C25
Gene No.	8481	Strand	+
Start	137	End	3625
Name	OJ990212_06.9819.C25.o1.np	Method	AAT/NAP
Start	621	End	3625
GI	6006367	Score	61
Exons	621..640, 2158..2281, 3569..3625		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	3904
GI	2462826	Score	1243
Exons	1..99, 631..752, 846..1290, 1373..1479, 1576..2077, 2141..2383, 2611..3048, 3269..3457, 3536..3904		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o1.gs	Method	GENSCAN
Start	80	End	3763
GI	none	Score	.67
Exons	80..99, 253..304, 631..752, 846..1189, 1713..2383, 2611..3048, 3269..3457, 3536..3763		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	627	End	1184
GI	none	Score	107
Exons	627..752, 640..753, 653..754, 653..766, 844..1182, 844..1071, 853..930, 957..1184, 990..1184		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	684	End	1248
GI	none	Score	79
Exons	684..752, 685..753, 838..1173, 844..1248, 954..1235		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	1793	End	2071
GI	none	Score	53
Exons	1793..1837, 1892..2071, 1906..1980, 1908..1991, 1934..1999		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	1907	End	2302
GI	none	Score	143
Exons	1907..2071, 2168..2302		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	2092	End	2386
GI	none	Score	196
Exons	2092..2319, 2102..2329, 2107..2331, 2331..2384, 2333..2386		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	2174	End	3738
GI	none	Score	255
Exons	2174..2389, 2176..2337, 2617..2703, 2620..2751, 2628..2741, 2800..2994, 3272..3415, 3272..3460, 3535..3738		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	2608	End	3310
GI	none	Score	170
Exons	2608..2814, 2608..2691, 2610..2765, 2779..2949, 2935..2994, 3266..3310, 3266..3310		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	3266	End	3709
GI	none	Score	146
Exons	3266..3415, 3275..3451, 3533..3709, 3538..3651		

Seq. No.	4026	Seq. ID	OJ990212_06.9819.C26
Gene No.	8482	Strand	+
Start	1	End	3904
Name	OJ990212_06.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	3368	End	3765
GI	none	Score	64
Exons	3368..3457, 3369..3449, 3536..3679, 3538..3678, 3539..3679, 3659..3763, 3682..3759, 3706..3765		

Seq. No.	4027	Seq. ID	OJ990212_06.9819.C27
Gene No.	8483	Strand	+
Start	71	End	682
Name	OJ990212_06.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	60	End	682

GI	none	Score	130
Exons	60..221, 62..232, 63..221, 342..389, 349..402, 355..396, 490..669, 491..682, 492..638		

Seq. No.	4027	Seq. ID	OJ990212_06.9819.C27
Gene No.	8483	Strand	+
Start	71	End	682
Name	OJ990212_06.9819.C27.o1.gs	Method	GENSCAN
Start	71	End	423
GI	none	Score	.6
Exons	71..184, 348..423		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8484	Strand	+
Start	75	End	316
Name	OJ990212_06.9819.C28.o1.gs	Method	GENSCAN
Start	75	End	316
GI	none	Score	.63
Exons	75..197, 224..316		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	1	End	275
GI	none	Score	43
Exons	1..48, 3..77, 65..265, 69..275, 72..275		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	3	End	236
GI	none	Score	184
Exons	3..77, 65..229, 69..236		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	69	End	272
GI	none	Score	182
Exons	69..272		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o1.gp	Method	AAT/GAP
Start	421	End	2011
GI	none	Score	2098
Exons	421..1056, 1472..2011		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o2.gs	Method	GENSCAN
Start	694	End	1855

GI	none	Score	.92
Exons	694..1056, 1472..1855		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	821	End	1885
GI	none	Score	65
Exons	821..877, 844..972, 898..1059, 899..967, 1472..1642, 1473..1613, 1706..1738, 1820..1885		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	839	End	1642
GI	none	Score	35
Exons	839..880, 844..975, 856..1059, 899..967, 1472..1546, 1473..1532, 1532..1642, 1542..1607		

Seq. No.	4028	Seq. ID	OJ990212_06.9819.C28
Gene No.	8485	Strand	-
Start	421	End	2011
Name	OJ990212_06.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	1472	End	1642
GI	none	Score	65
Exons	1472..1546, 1473..1532, 1535..1642, 1536..1613		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	141	End	795
GI	none	Score	166
Exons	141..377, 142..399, 400..516, 400..516, 432..659, 433..795		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	142	End	780
GI	none	Score	107
Exons	142..354, 417..776, 418..780		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o1.tc	Method	TBLASTX:Cress
Start	151	End	747
GI	none	Score	89
Exons	151..348, 235..375, 400..747, 414..746		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o2.ts	Method	TBLASTX:Soybean

Start	156	End	597
GI	none	Score	152
Exons	156..284, 157..396, 409..519, 439..597, 441..596, 442..597		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o1.gs	Method	GENSCAN
Start	166	End	1251
GI	none	Score	.47
Exons	166..1251		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	604	End	1122
GI	none	Score	64
Exons	604..687, 682..795, 820..1122, 951..1079		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o2.tc	Method	TBLASTX:Cress
Start	820	End	1122
GI	none	Score	230
Exons	820..1122		

Seq. No.	4029	Seq. ID	OJ990212_06.9819.C29
Gene No.	8486	Strand	+
Start	166	End	1251
Name	OJ990212_06.9819.C29.o2.tm	Method	TBLASTX:Maize
Start	820	End	1076
GI	none	Score	230
Exons	820..1074, 820..1062, 828..1076		

Seq. No.	4030	Seq. ID	OJ990212_06.9819.C32
Gene No.	8487	Strand	+
Start	210	End	656
Name	OJ990212_06.9819.C32.o1.gs	Method	GENSCAN
Start	210	End	656
GI	none	Score	.71
Exons	210..347, 488..575, 641..656		

Seq. No.	4030	Seq. ID	OJ990212_06.9819.C32
Gene No.	8488	Strand	-
Start	1	End	766
Name	OJ990212_06.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	766
GI	1196998	Score	1109
Exons	1..766		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21		

[Arabidopsis thaliana]

Seq. No.	4031	Seq. ID	OJ990212_06.9819.C34
Gene No.	8489	Strand	+
Start	426	End	542
Name	OJ990212_06.9819.C34.o1.gs	Method	GENSCAN
Start	426	End	542
GI	none	Score	.74
Exons	426..542		

Seq. No.	4032	Seq. ID	OJ990212_06.9819.C41
Gene No.	8490	Strand	+
Start	103	End	248
Name	OJ990212_06.9819.C41.o1.gs	Method	GENSCAN
Start	103	End	248
GI	none	Score	.8
Exons	103..248		

Seq. No.	4033	Seq. ID	OJ990212_06.9819.C43
Gene No.	8491	Strand	+
Start	291	End	479
Name	OJ990212_06.9819.C43.o1.gp	Method	AAT/GAP
Start	291	End	479
GI	none	Score	87
Exons	291..355, 448..479		

Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.np	Method	AAT/NAP
Start	1	End	845
GI	3688193	Score	200
Exons	1..36, 462..629, 773..845		
GI Descrip.	(AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]		

Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.gs	Method	GENSCAN
Start	390	End	629
GI	none	Score	.93
Exons	390..629		

Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	432	End	844
GI	none	Score	127
Exons	432..629, 436..630, 767..844, 770..841		

Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	438	End	842
GI	none	Score	122

Exons	438..629, 439..630, 770..841, 771..842		
Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	442	End	842
GI	none	Score	146
Exons	442..630, 453..629, 478..630, 770..841, 771..842		
Seq. No.	4034	Seq. ID	OJ990212_06.9819.C44
Gene No.	8492	Strand	-
Start	1	End	845
Name	OJ990212_06.9819.C44.o1.gp	Method	AAT/GAP
Start	570	End	845
GI	LIB3474-005-P1-K1-G2	Score	230
Exons	570..629, 773..845		
GI Descrip.	'3688193/emb|CAA08995.1| 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		
Seq. No.	4035	Seq. ID	OJ990212_06.9819.C48
Gene No.	8493	Strand	+
Start	557	End	709
Name	OJ990212_06.9819.C48.o1.gs	Method	GENSCAN
Start	557	End	709
GI	none	Score	.58
Exons	557..709		
Seq. No.	4036	Seq. ID	OJ990212_06.9819.C52
Gene No.	8494	Strand	+
Start	362	End	662
Name	OJ990212_06.9819.C52.o1.np	Method	AAT/NAP
Start	362	End	662
GI	4884787	Score	114
Exons	362..662		
GI Descrip.	(AF128862) LacZ [Cloning vector pHIND2.2]		
Seq. No.	4036	Seq. ID	OJ990212_06.9819.C52
Gene No.	8494	Strand	+
Start	362	End	662
Name	OJ990212_06.9819.C52.o1.gs	Method	GENSCAN
Start	510	End	617
GI	none	Score	.87
Exons	510..617		
Seq. No.	4037	Seq. ID	OJ990202_02.9819.C7
Gene No.	8495	Strand	-
Start	161	End	228
Name	OJ990202_02.9819.C7.o1.gp	Method	AAT/GAP
Start	161	End	228
GI	LIB3477-003-P1-K1-E9	Score	80
Exons	161..228		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9

Gene No.	8496	Strand	+
Start	2613	End	5557
Name	OJ990202_02.9819.C9.o1.gs	Method	GENSCAN
Start	2613	End	5557
GI	none	Score	.63
Exons	2613..2625, 3596..3808, 4018..4194, 5517..5557		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8497	Strand	+
Start	12640	End	14754
Name	OJ990202_02.9819.C9.o1.np	Method	AAT/NAP
Start	12634	End	14751
GI	6630732	Score	449
Exons	12634..12772, 12815..12872, 13344..13431, 13747..13786, 13922..13968, 14127..14247, 14594..14751		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8497	Strand	+
Start	12640	End	14754
Name	OJ990202_02.9819.C9.o3.gs	Method	GENSCAN
Start	12640	End	14754
GI	none	Score	.91
Exons	12640..12872, 13344..13431, 13747..13968, 14127..14247, 14594..14754		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8498	Strand	+
Start	17251	End	21483
Name	OJ990202_02.9819.C9.o2.np	Method	AAT/NAP
Start	17251	End	21188
GI	2160166	Score	913
Exons	17251..17361, 19919..21188		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8498	Strand	+
Start	17251	End	21483
Name	OJ990202_02.9819.C9.o5.gs	Method	GENSCAN
Start	19875	End	21191
GI	none	Score	.6
Exons	19875..21191		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8498	Strand	+
Start	17251	End	21483
Name	OJ990202_02.9819.C9.o3.gp	Method	AAT/GAP
Start	20872	End	21483
GI	56393_1.R1084	Score	1156
Exons	20872..21483		
GI Descrip.	'2160166 2.0e-21 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8499	Strand	+
Start	23239	End	29484
Name	OJ990202_02.9819.C9.o6.gs	Method	GENSCAN

Start	23239	End	29484
GI	none	Score	.43
Exons	23239..23464, 23852..24180, 24958..24966, 25833..26097, 26707..26731, 27665..27897, 29048..29484		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8499	Strand	+
Start	23239	End	29484
Name	OJ990202_02.9819.C9.o4.gp	Method	AAT/GAP
Start	24052	End	24503
GI	3760468	Score	724
Exons	24052..24503		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8499	Strand	+
Start	23239	End	29484
Name	OJ990202_02.9819.C9.o5.gp	Method	AAT/GAP
Start	25888	End	26352
GI	none	Score	892
Exons	25888..26352		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8500	Strand	-
Start	3751	End	4163
Name	OJ990202_02.9819.C9.o1.gp	Method	AAT/GAP
Start	3751	End	4163
GI	25529_1.R1084	Score	758
Exons	3751..4163		
GI Descrip.	'2735764 4.0e-09 (AF008651) MADS transcriptional factor; STMADS16 [Solanum tuberosum]'		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8501	Strand	-
Start	5996	End	11826
Name	OJ990202_02.9819.C9.o2.gs	Method	GENSCAN
Start	5996	End	11826
GI	none	Score	.63
Exons	5996..6015, 6523..6717, 7073..7108, 7877..8011, 9106..9170, 9429..9474, 9525..9664, 11102..11167, 11243..11703, 11770..11826		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8502	Strand	-
Start	16095	End	18428
Name	OJ990202_02.9819.C9.o4.gs	Method	GENSCAN
Start	16095	End	18428
GI	none	Score	.65
Exons	16095..16214, 18038..18088, 18375..18428		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8502	Strand	-
Start	16095	End	18428
Name	OJ990202_02.9819.C9.o2.gp	Method	AAT/GAP
Start	16388	End	16824
GI	LIB3432-059-P1-K1-D8	Score	672
Exons	16388..16824		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	3683	End	3852
GI	none	Score	131
Exons	3683..3817, 3685..3852		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	3685	End	3852
GI	none	Score	106
Exons	3685..3852, 3707..3814		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	3685	End	3852
GI	none	Score	140
Exons	3685..3852, 3686..3817		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	3686	End	3852
GI	none	Score	172
Exons	3686..3817, 3688..3852, 3811..3837		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	12656	End	13451
GI	none	Score	138
Exons	12656..12865, 12657..12872, 12662..12826, 12678..12866, 13306..13437, 13341..13451, 13342..13434, 13343..13447		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	13749	End	14763
GI	none	Score	40
Exons	13749..13790, 13754..13786, 13912..13968, 13914..13967, 14123..14245, 14124..14249, 14124..14246, 14126..14248, 14595..14759, 14596..14763, 14600..14758, 14661..14759		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	19943	End	21191

GI	none	Score	122
Exons	19943..19987, 19950..20066, 20043..20294, 20063..20212, 20355..20648, 20369..20647, 20648..20770, 20649..20771, 20775..21191, 20777..21172		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	20388	End	21197
GI	none	Score	106
Exons	20388..20486, 20496..20648, 20501..20551, 20573..20647, 20648..20884, 20649..20897, 20895..20942, 20909..20941, 20993..21172, 20994..21197		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	20394	End	21194
GI	none	Score	109
Exons	20394..20486, 20496..20648, 20501..20647, 20508..20648, 20648..20884, 20649..20885, 20877..20933, 20990..21172, 20991..21194		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8503	Strand	-
Start	21783	End	24063
Name	OJ990202_02.9819.C9.o3.np	Method	AAT/NAP
Start	21783	End	24063
GI	1707018	Score	367
Exons	21783..21861, 22029..22123, 22272..22303, 22716..22778, 23040..23151, 23901..24063		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	4038	Seq. ID	OJ990202_02.9819.C9
Gene No.	8504	Strand	
Start	25853	End	26089
Name	OJ990202_02.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	25853	End	26089
GI	none	Score	128
Exons	25853..25939, 25854..25946, 25854..25973, 25859..25954, 25932..26051, 25946..26041, 25947..26051, 26057..26089		

Seq. No.	4039	Seq. ID	OJ990202_02.9819.C10
Gene No.	8505	Strand	+
Start	60	End	251
Name	OJ990202_02.9819.C10.o1.gs	Method	GENSCAN
Start	60	End	251
GI	none	Score	.99
Exons	60..251		

Seq. No.	4040	Seq. ID	OJ990202_02.9819.C11
Gene No.	8506	Strand	+
Start	73	End	347
Name	OJ990202_02.9819.C11.o1.gs	Method	GENSCAN

Start	73	End	347
GI	none	Score	.75
Exons	73..250, 259..347		

Seq. No.	4041	Seq. ID	OJ990202_02.9819.C12
Gene No.	8507	Strand	+
Start	208	End	298
Name	OJ990202_02.9819.C12.o1.gs	Method	GENSCAN
Start	208	End	298
GI	none	Score	.43
Exons	208..298		

Seq. No.	4042	Seq. ID	OJ990202_02.9819.C13
Gene No.	8508	Strand	-
Start	1	End	732
Name	OJ990202_02.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	732
GI	1707018	Score	104
Exons	1..28, 235..329, 478..513, 689..732		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	4042	Seq. ID	OJ990202_02.9819.C13
Gene No.	8508	Strand	-
Start	1	End	732
Name	OJ990202_02.9819.C13.o1.gs	Method	GENSCAN
Start	231	End	329
GI	none	Score	.77
Exons	231..329		

Seq. No.	4043	Seq. ID	OJ990202_02.9819.C18
Gene No.	8509	Strand	-
Start	430	End	577
Name	OJ990202_02.9819.C18.o1.gs	Method	GENSCAN
Start	430	End	577
GI	none	Score	.49
Exons	430..577		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.gp	Method	AAT/GAP
Start	1	End	158
GI	25529_1.R1084	Score	215
Exons	1..158		
GI Descrip.	'2735764 4.0e-09 (AF008651) MADS transcriptional factor; STMADS16 [Solanum tuberosum]'		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.np	Method	AAT/NAP
Start	42	End	223
GI	2735764	Score	198
Exons	42..223		
GI Descrip.	(AF008651) MADS transcriptional factor; STMADS16 [Solanum tuberosum]		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	51	End	223
GI	none	Score	230
Exons	51..98, 75..221, 92..223		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	54	End	260
GI	none	Score	201
Exons	54..98, 75..260, 92..232		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	75	End	224
GI	none	Score	211
Exons	75..224, 92..223		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	75	End	224
GI	none	Score	173
Exons	75..224, 95..202		

Seq. No.	4044	Seq. ID	OJ990202_02.9819.C25
Gene No.	8510	Strand	+
Start	1	End	455
Name	OJ990202_02.9819.C25.o1.gs	Method	GENSCAN
Start	96	End	455
GI	none	Score	.56
Exons	96..223, 308..455		

Seq. No.	4045	Seq. ID	OJ990202_02.9819.C28
Gene No.	8511	Strand	+
Start	371	End	493
Name	OJ990202_02.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	367	End	493
GI	none	Score	107
Exons	367..489, 368..493, 368..490, 370..492		

Seq. No.	4045	Seq. ID	OJ990202_02.9819.C28
Gene No.	8511	Strand	+
Start	371	End	493
Name	OJ990202_02.9819.C28.o1.gs	Method	GENSCAN
Start	371	End	491
GI	none	Score	.86
Exons	371..491		

Seq. No.	4046	Seq. ID	OJ990202_02.9819.C29
Gene No.	8512	Strand	-
Start	227	End	559
Name	OJ990202_02.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	206	End	559
GI	none	Score	134
Exons	206..352, 225..350, 230..352, 455..547, 466..549, 466..558, 467..559		

Seq. No.	4046	Seq. ID	OJ990202_02.9819.C29
Gene No.	8512	Strand	-
Start	227	End	559
Name	OJ990202_02.9819.C29.o1.gs	Method	GENSCAN
Start	227	End	541
GI	none	Score	.94
Exons	227..541		

Seq. No.	4046	Seq. ID	OJ990202_02.9819.C29
Gene No.	8512	Strand	-
Start	227	End	559
Name	OJ990202_02.9819.C29.o1.gp	Method	AAT/GAP
Start	431	End	548
GI	uC-osf1M202046a07b1	Score	188
Exons	431..548		
GI Descrip.	'5932552/gb|AAD57007.1|AC009465_21 4.0e-30 (AC009465) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4047	Seq. ID	OJ990202_02.9819.C30
Gene No.	8513	Strand	+
Start	273	End	714
Name	OJ990202_02.9819.C30.o1.gp	Method	AAT/GAP
Start	273	End	714
GI	LIB3475-006-P1-K1-D9	Score	537
Exons	273..714		
GI Descrip.	'5923669/gb|AAD56320.1|AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4047	Seq. ID	OJ990202_02.9819.C30
Gene No.	8514	Strand	-
Start	388	End	642
Name	OJ990202_02.9819.C30.o1.gs	Method	GENSCAN
Start	388	End	642
GI	none	Score	.43
Exons	388..525, 568..642		

Seq. No.	4048	Seq. ID	OJ990202_02.9819.C33
Gene No.	8515	Strand	+
Start	113	End	757
Name	OJ990202_02.9819.C33.o1.gp	Method	AAT/GAP
Start	113	End	757
GI	none	Score	948
Exons	113..292, 377..757		

Seq. No.	4049	Seq. ID	OJ990202_02.9819.C34
Gene No.	8516	Strand	+
Start	449	End	1242
Name	OJ990202_02.9819.C34.o1.np	Method	AAT/NAP

Start	449	End	1242
GI	5903093	Score	170
Exons	449..668, 1161..1242		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	4049	Seq. ID	OJ990202_02.9819.C34
Gene No.	8516	Strand	+
Start	449	End	1242
Name	OJ990202_02.9819.C34.o1.gs	Method	GENSCAN
Start	453	End	677
GI	none	Score	.52
Exons	453..677		

Seq. No.	4049	Seq. ID	OJ990202_02.9819.C34
Gene No.	8516	Strand	+
Start	449	End	1242
Name	OJ990202_02.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	469	End	1217
GI	none	Score	101
Exons	469..543, 473..634, 488..652, 489..653, 1158..1217		

Seq. No.	4049	Seq. ID	OJ990202_02.9819.C34
Gene No.	8516	Strand	+
Start	449	End	1242
Name	OJ990202_02.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	476	End	707
GI	none	Score	213
Exons	476..631, 480..707		

Seq. No.	4049	Seq. ID	OJ990202_02.9819.C34
Gene No.	8516	Strand	+
Start	449	End	1242
Name	OJ990202_02.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	479	End	1211
GI	none	Score	188
Exons	479..646, 480..647, 1158..1211		

Seq. No.	4050	Seq. ID	OJ990202_02.9819.C35
Gene No.	8517	Strand	+
Start	1	End	270
Name	OJ990202_02.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	267
GI	4680180	Score	303
Exons	1..267		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4050	Seq. ID	OJ990202_02.9819.C35
Gene No.	8517	Strand	+
Start	1	End	270
Name	OJ990202_02.9819.C35.o1.gs	Method	GENSCAN
Start	86	End	270
GI	none	Score	.74
Exons	86..270		

Seq. No.	4051	Seq. ID	OJ990202_02.9819.C36
Gene No.	8518	Strand	-
Start	1	End	1541

Name	OJ990202_02.9819.C36.o1.np	Method	AAT/NAP
Start	1	End	1541
GI	6691716	Score	1548
Exons	1..208, 291..460, 657..1541		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4051	Seq. ID	OJ990202_02.9819.C36
Gene No.	8518	Strand	-
Start	1	End	1541
Name	OJ990202_02.9819.C36.o1.gs	Method	GENSCAN
Start	291	End	991
GI	none	Score	.48
Exons	291..511, 657..991		

Seq. No.	4051	Seq. ID	OJ990202_02.9819.C36
Gene No.	8518	Strand	-
Start	1	End	1541
Name	OJ990202_02.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	1131	End	1421
GI	none	Score	50
Exons	1131..1421, 1132..1281		

Seq. No.	4052	Seq. ID	OJ990202_02.9819.C38
Gene No.	8519	Strand	+
Start	146	End	713
Name	OJ990202_02.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	91	End	547
GI	none	Score	490
Exons	91..546, 92..547		

Seq. No.	4052	Seq. ID	OJ990202_02.9819.C38
Gene No.	8519	Strand	+
Start	146	End	713
Name	OJ990202_02.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	131	End	496
GI	none	Score	131
Exons	131..355, 362..496		

Seq. No.	4052	Seq. ID	OJ990202_02.9819.C38
Gene No.	8519	Strand	+
Start	146	End	713
Name	OJ990202_02.9819.C38.o1.gs	Method	GENSCAN
Start	146	End	619
GI	none	Score	.52
Exons	146..619		

Seq. No.	4052	Seq. ID	OJ990202_02.9819.C38
Gene No.	8519	Strand	+
Start	146	End	713
Name	OJ990202_02.9819.C38.o1.np	Method	AAT/NAP
Start	146	End	713
GI	5902445	Score	931
Exons	146..713		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4052	Seq. ID	OJ990202_02.9819.C38
Gene No.	8519	Strand	+
Start	146	End	713
Name	OJ990202_02.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	220	End	577
GI	none	Score	373
Exons	220..567, 221..577		

Seq. No.	4053	Seq. ID	OJ990202_02.9819.C39
Gene No.	8520	Strand	+
Start	1	End	742
Name	OJ990202_02.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	716
GI	1946362	Score	220
Exons	1..48, 368..716		
GI Descrip.	(U93215) photosystem II reaction center 6.1KD protein [Arabidopsis thaliana]		

Seq. No.	4053	Seq. ID	OJ990202_02.9819.C39
Gene No.	8520	Strand	+
Start	1	End	742
Name	OJ990202_02.9819.C39.o1.gs	Method	GENSCAN
Start	260	End	719
GI	none	Score	.94
Exons	260..719		

Seq. No.	4053	Seq. ID	OJ990202_02.9819.C39
Gene No.	8520	Strand	+
Start	1	End	742
Name	OJ990202_02.9819.C39.o1.gp	Method	AAT/GAP
Start	368	End	742
GI	none	Score	630
Exons	368..742		

Seq. No.	4054	Seq. ID	OJ990202_02.9819.C41
Gene No.	8521	Strand	-
Start	45	End	866
Name	OJ990202_02.9819.C41.o1.np	Method	AAT/NAP
Start	45	End	866
GI	418604	Score	1224
Exons	45..866		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	4055	Seq. ID	OJ990202_02.9819.C42
Gene No.	8522	Strand	-
Start	1	End	465
Name	OJ990202_02.9819.C42.o1.np	Method	AAT/NAP
Start	1	End	465
GI	2126090	Score	749
Exons	1..465		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	4055	Seq. ID	OJ990202_02.9819.C42
Gene No.	8522	Strand	-
Start	1	End	465
Name	OJ990202_02.9819.C42.o1.gs	Method	GENSCAN
Start	37	End	465
GI	none	Score	.98
Exons	37..465		

Seq. No.	4055	Seq. ID	OJ990202_02.9819.C42
Gene No.	8523	Strand	
Start	425	End	572
Name	OJ990202_02.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	425	End	572
GI	none	Score	186
Exons	425..571, 425..544, 426..572		

Seq. No.	4056	Seq. ID	OJ990202_02.9819.C43
Gene No.	8524	Strand	-
Start	214	End	467
Name	OJ990202_02.9819.C43.o1.gs	Method	GENSCAN
Start	214	End	467
GI	none	Score	.8
Exons	214..467		

Seq. No.	4057	Seq. ID	OJ990202_02.9819.C44
Gene No.	8525	Strand	-
Start	715	End	1632
Name	OJ990202_02.9819.C44.o1.np	Method	AAT/NAP
Start	451	End	1369
GI	5903093	Score	250
Exons	451..500, 756..1011, 1151..1369		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	4057	Seq. ID	OJ990202_02.9819.C44
Gene No.	8525	Strand	-
Start	715	End	1632
Name	OJ990202_02.9819.C44.o1.gs	Method	GENSCAN
Start	715	End	1497
GI	none	Score	.86
Exons	715..1011, 1151..1366, 1438..1497		

Seq. No.	4057	Seq. ID	OJ990202_02.9819.C44
Gene No.	8525	Strand	-
Start	715	End	1632
Name	OJ990202_02.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	754	End	1632
GI	4396051	Score	102
Exons	754..930, 760..915, 764..925, 1546..1632, 1553..1615		
GI Descrip.	-		

Seq. No.	4057	Seq. ID	OJ990202_02.9819.C44
Gene No.	8525	Strand	-
Start	715	End	1632
Name	OJ990202_02.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	775	End	1632
GI	none	Score	127

Exons	775..969, 782..928, 1523..1630, 1534..1632, 1546..1632		
Seq. No.	4057	Seq. ID	OJ990202_02.9819.C44
Gene No.	8525	Strand	-
Start	715	End	1632
Name	OJ990202_02.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	952	End	1356
GI	none	Score	57
Exons	952..1014, 971..1027, 1139..1279, 1140..1280, 1146..1355, 1264..1356		
Seq. No.	4058	Seq. ID	OJ990202_02.9819.C45
Gene No.	8526	Strand	-
Start	736	End	927
Name	OJ990202_02.9819.C45.o1.gs	Method	GENSCAN
Start	736	End	927
GI	none	Score	.92
Exons	736..927		
Seq. No.	4059	Seq. ID	OJ990202_02.9819.C46
Gene No.	8527	Strand	+
Start	171	End	556
Name	OJ990202_02.9819.C46.o1.np	Method	AAT/NAP
Start	171	End	452
GI	5932552	Score	109
Exons	171..452		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		
Seq. No.	4059	Seq. ID	OJ990202_02.9819.C46
Gene No.	8527	Strand	+
Start	171	End	556
Name	OJ990202_02.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	261	End	452
GI	none	Score	65
Exons	261..347, 273..323, 326..403, 327..452, 366..452		
Seq. No.	4059	Seq. ID	OJ990202_02.9819.C46
Gene No.	8527	Strand	+
Start	171	End	556
Name	OJ990202_02.9819.C46.o1.gs	Method	GENSCAN
Start	282	End	556
GI	none	Score	.94
Exons	282..452, 525..556		
Seq. No.	4060	Seq. ID	OJ990202_02.9819.C47
Gene No.	8528	Strand	+
Start	257	End	689
Name	OJ990202_02.9819.C47.o1.gs	Method	GENSCAN
Start	257	End	622
GI	none	Score	.93
Exons	257..420, 503..622		
Seq. No.	4060	Seq. ID	OJ990202_02.9819.C47
Gene No.	8528	Strand	+
Start	257	End	689
Name	OJ990202_02.9819.C47.o1.gp	Method	AAT/GAP
Start	310	End	689

GI	uC-osf1M202046a07b1	Score	341
Exons	310..420, 503..570, 661..689		
GI Descrip.	'5932552/gb|AAD57007.1|AC009465_21 4.0e-30 (AC009465) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4061	Seq. ID	OJ990202_02.9819.C49
Gene No.	8529	Strand	-
Start	1	End	1393
Name	OJ990202_02.9819.C49.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	2880041	Score	270
Exons	1..168, 893..954, 1062..1393		
GI Descrip.	(AC002340) unknown protein [Arabidopsis thaliana]		

Seq. No.	4061	Seq. ID	OJ990202_02.9819.C49
Gene No.	8529	Strand	-
Start	1	End	1393
Name	OJ990202_02.9819.C49.o1.tm	Method	TBLASTX:Maize
Start	93	End	1262
GI	none	Score	62
Exons	93..167, 94..171, 885..932, 890..934, 892..933, 1048..1254, 1059..1262, 1062..1259		

Seq. No.	4061	Seq. ID	OJ990202_02.9819.C49
Gene No.	8529	Strand	-
Start	1	End	1393
Name	OJ990202_02.9819.C49.o1.ts	Method	TBLASTX:Soybean
Start	1059	End	1292
GI	none	Score	57
Exons	1059..1172, 1152..1292, 1231..1287		

Seq. No.	4061	Seq. ID	OJ990202_02.9819.C49
Gene No.	8529	Strand	-
Start	1	End	1393
Name	OJ990202_02.9819.C49.o1.gs	Method	GENSCAN
Start	1062	End	1301
GI	none	Score	.74
Exons	1062..1301		

Seq. No.	4062	Seq. ID	OJ990202_02.9819.C50
Gene No.	8530	Strand	+
Start	79	End	402
Name	OJ990202_02.9819.C50.o1.gp	Method	AAT/GAP
Start	79	End	402
GI	none	Score	386
Exons	79..130, 210..402		

Seq. No.	4063	Seq. ID	OJ990202_02.9819.C54
Gene No.	8531	Strand	-
Start	1	End	704
Name	OJ990202_02.9819.C54.o1.np	Method	AAT/NAP
Start	1	End	704
GI	6539588	Score	216
Exons	1..44, 392..704		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	4063	Seq. ID	OJ990202_02.9819.C54

Gene No.	8531	Strand	-
Start	1	End	704
Name	OJ990202_02.9819.C54.o1.gs	Method	GENSCAN
Start	45	End	657
GI	none	Score	.9
Exons	45..170, 420..657		

Seq. No.	4064	Seq. ID	OJ990202_02.9819.C55
Gene No.	8532	Strand	-
Start	85	End	612
Name	OJ990202_02.9819.C55.o1.gp	Method	AAT/GAP
Start	85	End	555
GI	32537_1.R1084	Score	916
Exons	85..555		
GI Descrip.	'2341042/gb|AAB70446| 1.0e-11 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	4064	Seq. ID	OJ990202_02.9819.C55
Gene No.	8532	Strand	-
Start	85	End	612
Name	OJ990202_02.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	85	End	612
GI	none	Score	74
Exons	85..237, 85..261, 86..265, 251..310, 255..308, 307..486, 308..376, 364..534, 376..540, 544..603, 562..612		

Seq. No.	4064	Seq. ID	OJ990202_02.9819.C55
Gene No.	8532	Strand	-
Start	85	End	612
Name	OJ990202_02.9819.C55.o1.gs	Method	GENSCAN
Start	183	End	461
GI	none	Score	.69
Exons	183..461		

Seq. No.	4065	Seq. ID	OJ990202_02.9819.C56
Gene No.	8533	Strand	-
Start	1	End	1030
Name	OJ990202_02.9819.C56.o1.np	Method	AAT/NAP
Start	1	End	1030
GI	2341042	Score	96
Exons	1..314, 899..1030		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	4065	Seq. ID	OJ990202_02.9819.C56
Gene No.	8533	Strand	-
Start	1	End	1030
Name	OJ990202_02.9819.C56.o1.gs	Method	GENSCAN
Start	117	End	928
GI	none	Score	.95
Exons	117..273, 574..683, 899..928		

Seq. No.	4065	Seq. ID	OJ990202_02.9819.C56
Gene No.	8533	Strand	-
Start	1	End	1030
Name	OJ990202_02.9819.C56.o1.gp	Method	AAT/GAP
Start	618	End	969
GI	571673	Score	212

Exons	618..683, 899..969		
GI Descrip.	2341042/gb|AAB70446| 2.0e-26 (AC000104) F19P19.26 [Arabidopsis thaliana]		
Seq. No.	4066	Seq. ID	OJ990202_02.9819.C57
Gene No.	8534	Strand	-
Start	211	End	379
Name	OJ990202_02.9819.C57.o1.gs	Method	GENSCAN
Start	211	End	379
GI	none	Score	.86
Exons	211..379		
Seq. No.	4066	Seq. ID	OJ990202_02.9819.C57
Gene No.	8535	Strand	-
Start	290	End	706
Name	OJ990202_02.9819.C57.o1.ts	Method	TBLASTX:Soybean
Start	64	End	393
GI	none	Score	103
Exons	64..120, 217..384, 226..393		
Seq. No.	4066	Seq. ID	OJ990202_02.9819.C57
Gene No.	8535	Strand	-
Start	290	End	706
Name	OJ990202_02.9819.C57.o1.gp	Method	AAT/GAP
Start	290	End	706
GI	uC-osroM202041b06b1	Score	173
Exons	290..410, 678..706		
GI Descrip.	'2341042/gb|AAB70446| 1.0e-42 (AC000104) F19P19.26 [Arabidopsis thaliana]'		
Seq. No.	4067	Seq. ID	OJ990202_02.9819.C58
Gene No.	8536	Strand	-
Start	1	End	1510
Name	OJ990202_02.9819.C58.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	2341042	Score	78
Exons	1..43, 1300..1470		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		
Seq. No.	4067	Seq. ID	OJ990202_02.9819.C58
Gene No.	8536	Strand	-
Start	1	End	1510
Name	OJ990202_02.9819.C58.o1.gs	Method	GENSCAN
Start	1023	End	1470
GI	none	Score	.78
Exons	1023..1087, 1293..1470		
Seq. No.	4067	Seq. ID	OJ990202_02.9819.C58
Gene No.	8536	Strand	-
Start	1	End	1510
Name	OJ990202_02.9819.C58.o1.gp	Method	AAT/GAP
Start	1174	End	1510
GI	none	Score	397
Exons	1174..1210, 1284..1510		
Seq. No.	4068	Seq. ID	OJ990202_02.9819.C59
Gene No.	8537	Strand	+

Start	145	End	637
Name	OJ990202_02.9819.C59.o1.gs	Method	GENSCAN
Start	145	End	637
GI	none	Score	.73
Exons	145..637		

Seq. No.	4069	Seq. ID	OJ990202_02.9819.C60
Gene No.	8538	Strand	+
Start	101	End	1163
Name	OJ990202_02.9819.C60.o1.gs	Method	GENSCAN
Start	101	End	1163
GI	none	Score	.61
Exons	101..270, 1056..1163		

Seq. No.	4069	Seq. ID	OJ990202_02.9819.C60
Gene No.	8539	Strand	-
Start	1	End	395
Name	OJ990202_02.9819.C60.o1.np	Method	AAT/NAP
Start	1	End	395
GI	1196998	Score	562
Exons	1..395		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	4069	Seq. ID	OJ990202_02.9819.C60
Gene No.	8540	Strand	
Start	355	End	502
Name	OJ990202_02.9819.C60.o1.tc	Method	TBLASTX:Cress
Start	355	End	502
GI	none	Score	216
Exons	355..501, 356..502		

Seq. No.	4070	Seq. ID	OJ990202_02.9819.C62
Gene No.	8541	Strand	+
Start	1	End	1344
Name	OJ990202_02.9819.C62.o1.np	Method	AAT/NAP
Start	1	End	1344
GI	5902444	Score	1385
Exons	1..1344		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4070	Seq. ID	OJ990202_02.9819.C62
Gene No.	8541	Strand	+
Start	1	End	1344
Name	OJ990202_02.9819.C62.o1.gs	Method	GENSCAN
Start	392	End	1200
GI	none	Score	.41
Exons	392..670, 790..1200		

Seq. No.	4071	Seq. ID	OJ990202_02.9819.C63
Gene No.	8542	Strand	+
Start	1	End	1063

Name	OJ990202_02.9819.C63.o1.np	Method	AAT/NAP
Start	1	End	1063
GI	5902444	Score	1554
Exons	1..1063		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4071	Seq. ID	OJ990202_02.9819.C63
Gene No.	8542	Strand	+
Start	1	End	1063
Name	OJ990202_02.9819.C63.o1.gs	Method	GENSCAN
Start	83	End	1050
GI	none	Score	.66
Exons	83..578, 666..1050		

Seq. No.	4071	Seq. ID	OJ990202_02.9819.C63
Gene No.	8542	Strand	+
Start	1	End	1063
Name	OJ990202_02.9819.C63.o1.tw	Method	TBLASTX:Wheat
Start	431	End	832
GI	none	Score	343
Exons	431..832, 449..604, 574..816		

Seq. No.	4071	Seq. ID	OJ990202_02.9819.C63
Gene No.	8542	Strand	+
Start	1	End	1063
Name	OJ990202_02.9819.C63.o1.tm	Method	TBLASTX:Maize
Start	706	End	883
GI	none	Score	187
Exons	706..831, 707..883		

Seq. No.	4072	Seq. ID	OJ990202_02.9819.C65
Gene No.	8543	Strand	+
Start	1	End	737
Name	OJ990202_02.9819.C65.o1.np	Method	AAT/NAP
Start	1	End	737
GI	6691716	Score	573
Exons	1..58, 189..308, 382..737		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4072	Seq. ID	OJ990202_02.9819.C65
Gene No.	8543	Strand	+
Start	1	End	737
Name	OJ990202_02.9819.C65.o1.gs	Method	GENSCAN
Start	189	End	687
GI	none	Score	1
Exons	189..308, 382..687		

Seq. No.	4073	Seq. ID	OJ990202_02.9819.C66
Gene No.	8544	Strand	+
Start	810	End	1136
Name	OJ990202_02.9819.C66.o1.gp	Method	AAT/GAP
Start	810	End	1136
GI	24005_1.R1084	Score	350
Exons	810..952, 1061..1136		
GI Descrip.	'3892051/gb|AAC78260.1|AAC78260 1.0e-73 (AC002330) predicted		

NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]'

Seq. No.	4073	Seq. ID	OJ990202_02.9819.C66
Gene No.	8544	Strand	+
Start	810	End	1136
Name	OJ990202_02.9819.C66.o1.gs	Method	GENSCAN
Start	851	End	952
GI	none	Score	.99
Exons	851..952		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.np	Method	AAT/NAP
Start	1	End	728
GI	6647650	Score	243
Exons	1..35, 155..232, 309..414, 548..594, 698..728		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 24 KD SUBUNIT PRECURSOR gi|3892051|gb|AAC78260.1|AAC78260 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.tm	Method	TBLASTX:Maize
Start	136	End	596
GI	none	Score	84
Exons	136..234, 155..259, 155..265, 308..412, 309..413, 546..593, 547..594, 548..595, 548..595, 549..596		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.gp	Method	AAT/GAP
Start	155	End	619
GI	24005_1.R1084	Score	386
Exons	155..232, 309..414, 548..619		
GI Descrip.	'3892051/gb|AAC78260.1|AAC78260 1.0e-73 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]'		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.tc	Method	TBLASTX:Cress
Start	155	End	382
GI	none	Score	133
Exons	155..259, 155..232, 157..234, 305..382, 309..377		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.ts	Method	TBLASTX:Soybean
Start	155	End	596
GI	none	Score	130
Exons	155..259, 157..234, 308..409, 309..413, 328..414, 328..414, 546..593, 547..594, 560..595, 561..596		

Seq. No.	4074	Seq. ID	OJ990202_02.9819.C67
Gene No.	8545	Strand	+
Start	1	End	728
Name	OJ990202_02.9819.C67.o1.gs	Method	GENSCAN
Start	155	End	518
GI	none	Score	.87
Exons	155..232, 309..518		

Seq. No.	4075	Seq. ID	OJ990202_02.9819.C68
Gene No.	8546	Strand	+
Start	29	End	287
Name	OJ990202_02.9819.C68.o1.gp	Method	AAT/GAP
Start	29	End	287
GI	none	Score	451
Exons	29..287		

Seq. No.	4075	Seq. ID	OJ990202_02.9819.C68
Gene No.	8547	Strand	+
Start	575	End	631
Name	OJ990202_02.9819.C68.o1.gs	Method	GENSCAN
Start	575	End	631
GI	none	Score	.53
Exons	575..631		

Seq. No.	4076	Seq. ID	OJ990202_02.9819.C72
Gene No.	8548	Strand	+
Start	420	End	707
Name	OJ990202_02.9819.C72.o1.gs	Method	GENSCAN
Start	420	End	707
GI	none	Score	.72
Exons	420..707		

Seq. No.	4077	Seq. ID	OJ990202_02.9819.C74
Gene No.	8549	Strand	+
Start	1	End	736
Name	OJ990202_02.9819.C74.o1.np	Method	AAT/NAP
Start	1	End	736
GI	5902445	Score	825
Exons	1..736		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4077	Seq. ID	OJ990202_02.9819.C74
Gene No.	8550	Strand	-
Start	160	End	574
Name	OJ990202_02.9819.C74.o1.tm	Method	TBLASTX:Maize
Start	6	End	255
GI	none	Score	261
Exons	6..218, 7..216, 208..255		

Seq. No.	4077	Seq. ID	OJ990202_02.9819.C74
Gene No.	8550	Strand	-
Start	160	End	574
Name	OJ990202_02.9819.C74.o1.tw	Method	TBLASTX:Wheat
Start	31	End	394
GI	none	Score	318
Exons	31..318, 36..275, 317..394		

Seq. No.	4077	Seq. ID	OJ990202_02.9819.C74
Gene No.	8550	Strand	-
Start	160	End	574
Name	OJ990202_02.9819.C74.o1.gs	Method	GENSCAN
Start	160	End	574
GI	none	Score	.57
Exons	160..365, 388..574		

Seq. No.	4078	Seq. ID	OJ990202_02.9819.C75
Gene No.	8551	Strand	+
Start	311	End	560
Name	OJ990202_02.9819.C75.o1.gp	Method	AAT/GAP
Start	311	End	560
GI	none	Score	406
Exons	311..560		

Seq. No.	4078	Seq. ID	OJ990202_02.9819.C75
Gene No.	8552	Strand	-
Start	380	End	536
Name	OJ990202_02.9819.C75.o1.gs	Method	GENSCAN
Start	380	End	536
GI	none	Score	.43
Exons	380..536		

Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.np	Method	AAT/NAP
Start	1	End	856
GI	130582	Score	814
Exons	1..856		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o2.tm	Method	TBLASTX:Maize
Start	14	End	369
GI	none	Score	44
Exons	14..85, 51..137, 58..369, 59..364, 118..366		

Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o2.tw	Method	TBLASTX:Wheat
Start	14	End	274
GI	none	Score	170
Exons	14..274, 50..124, 88..243		

Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.gs	Method	GENSCAN
Start	95	End	838

GI	none	Score	.4
Exons	95..838		
Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.tc	Method	TBLASTX:Cress
Start	371	End	847
GI	none	Score	78
Exons	371..475, 476..622, 638..847		
Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.tw	Method	TBLASTX:Wheat
Start	388	End	823
GI	none	Score	170
Exons	388..579, 401..604, 622..807,	623..823	
Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.tm	Method	TBLASTX:Maize
Start	425	End	851
GI	none	Score	559
Exons	425..847, 427..849, 753..851		
Seq. No.	4079	Seq. ID	OJ990202_02.9819.C77
Gene No.	8553	Strand	+
Start	1	End	856
Name	OJ990202_02.9819.C77.o1.ts	Method	TBLASTX:Soybean
Start	449	End	847
GI	none	Score	309
Exons	449..724, 451..732, 734..847,	748..846	
Seq. No.	4080	Seq. ID	OJ990202_02.9819.C78
Gene No.	8554	Strand	-
Start	141	End	749
Name	OJ990202_02.9819.C78.o1.gs	Method	GENSCAN
Start	141	End	251
GI	none	Score	.79
Exons	141..251		
Seq. No.	4080	Seq. ID	OJ990202_02.9819.C78
Gene No.	8554	Strand	-
Start	141	End	749
Name	OJ990202_02.9819.C78.o1.tm	Method	TBLASTX:Maize
Start	141	End	539
GI	none	Score	100
Exons	141..227, 142..228, 142..228,	441..521,	443..532, 444..539
Seq. No.	4080	Seq. ID	OJ990202_02.9819.C78
Gene No.	8554	Strand	-
Start	141	End	749
Name	OJ990202_02.9819.C78.o1.np	Method	AAT/NAP
Start	141	End	749
GI	5932552	Score	162

Exons	141..213, 445..501, 541..749		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		
Seq. No.	4081	Seq. ID	OJ990202_02.9819.C79
Gene No.	8555	Strand	+
Start	112	End	584
Name	OJ990202_02.9819.C79.o1.np	Method	AAT/NAP
Start	112	End	528
GI	2493694	Score	240
Exons	112..528		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER W PROTEIN PRECURSOR (PSII 6.1 KD PROTEIN) gi|1076268|pir||S53025 photosystem II protein - spinach gi|728716|emb|CAA59409| (X85038) protein of photosystem II [Spinacia oleracea]		
Seq. No.	4081	Seq. ID	OJ990202_02.9819.C79
Gene No.	8555	Strand	+
Start	112	End	584
Name	OJ990202_02.9819.C79.o1.gp	Method	AAT/GAP
Start	215	End	584
GI	none	Score	658
Exons	215..584		
Seq. No.	4081	Seq. ID	OJ990202_02.9819.C79
Gene No.	8555	Strand	+
Start	112	End	584
Name	OJ990202_02.9819.C79.o1.gs	Method	GENSCAN
Start	261	End	531
GI	none	Score	.77
Exons	261..531		
Seq. No.	4082	Seq. ID	OJ990202_02.9819.C80
Gene No.	8556	Strand	-
Start	708	End	800
Name	OJ990202_02.9819.C80.o1.gp	Method	AAT/GAP
Start	708	End	800
GI	uC-osroM202032f02a1	Score	127
Exons	708..800		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		
Seq. No.	4083	Seq. ID	OJ990202_02.9819.C81
Gene No.	8557	Strand	+
Start	407	End	584
Name	OJ990202_02.9819.C81.o1.gs	Method	GENSCAN
Start	407	End	584
GI	none	Score	.87
Exons	407..584		
Seq. No.	4084	Seq. ID	OJ990202_02.9819.C82
Gene No.	8558	Strand	-
Start	522	End	680
Name	OJ990202_02.9819.C82.o1.gs	Method	GENSCAN
Start	522	End	680
GI	none	Score	.41
Exons	522..680		

Seq. No.	4085	Seq. ID	OJ990202_02.9819.C83
Gene No.	8559	Strand	+
Start	1	End	313
Name	OJ990202_02.9819.C83.o1.np	Method	AAT/NAP
Start	1	End	313
GI	5852084	Score	75
Exons	1..21, 230..313		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8560	Strand	+
Start	68	End	195
Name	OJ990202_02.9819.C86.o1.gp	Method	AAT/GAP
Start	68	End	195
GI	none	Score	223
Exons	68..195		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8561	Strand	-
Start	135	End	1404
Name	OJ990202_02.9819.C86.o1.gs	Method	GENSCAN
Start	135	End	1176
GI	none	Score	.93
Exons	135..380, 498..681, 851..1176		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8561	Strand	-
Start	135	End	1404
Name	OJ990202_02.9819.C86.o1.np	Method	AAT/NAP
Start	138	End	1404
GI	2880041	Score	631
Exons	138..380, 498..639, 851..1176, 1321..1404		
GI Descrip.	(AC002340) unknown protein [Arabidopsis thaliana]		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8561	Strand	-
Start	135	End	1404
Name	OJ990202_02.9819.C86.o1.ts	Method	TBLASTX:Soybean
Start	261	End	1189
GI	none	Score	128
Exons	261..398, 507..644, 508..642, 844..936, 845..919, 931..987, 976..1176, 977..1189, 1019..1177		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8561	Strand	-
Start	135	End	1404
Name	OJ990202_02.9819.C86.o1.tm	Method	TBLASTX:Maize
Start	339	End	1189
GI	none	Score	100
Exons	339..383, 493..636, 493..624, 495..644, 513..644, 844..960, 845..928, 934..1176, 955..1176, 956..1189, 971..1189		

Seq. No.	4086	Seq. ID	OJ990202_02.9819.C86
Gene No.	8561	Strand	-
Start	135	End	1404
Name	OJ990202_02.9819.C86.o2.gp	Method	AAT/GAP
Start	1076	End	1176

GI	LIB3474-003-P1-K1-E1	Score	177
Exons	1076..1176		
GI Descrip.	'99733/pir||S19701 1.0e-34 hypothetical protein H1flk - Arabidopsis thaliana (fragment) >gi_16482_emb_CAA44318_ (X62461) H1flk [Arabidopsis thaliana]'		

Seq. No.	4087	Seq. ID	OJ990202_02.9819.C88
Gene No.	8562	Strand	+
Start	647	End	755
Name	OJ990202_02.9819.C88.o1.gs	Method	GENSCAN
Start	647	End	755
GI	none	Score	.64
Exons	647..755		

Seq. No.	4088	Seq. ID	OJ990202_02.9819.C89
Gene No.	8563	Strand	-
Start	199	End	1080
Name	OJ990202_02.9819.C89.o1.gs	Method	GENSCAN
Start	199	End	1080
GI	none	Score	.81
Exons	199..1080		

Seq. No.	4089	Seq. ID	OJ990202_02.9819.C90
Gene No.	8564	Strand	-
Start	107	End	393
Name	OJ990202_02.9819.C90.o1.gs	Method	GENSCAN
Start	107	End	393
GI	none	Score	.92
Exons	107..393		

Seq. No.	4089	Seq. ID	OJ990202_02.9819.C90
Gene No.	8565	Strand	-
Start	1016	End	1775
Name	OJ990202_02.9819.C90.o1.gp	Method	AAT/GAP
Start	1016	End	1730
GI	20409_1.R1084	Score	1117
Exons	1016..1497, 1608..1730		
GI Descrip.	'2995380/emb|CAA05081| 3.0e-47 (AJ001903) thioredoxin H [Triticum durum]'		

Seq. No.	4089	Seq. ID	OJ990202_02.9819.C90
Gene No.	8565	Strand	-
Start	1016	End	1775
Name	OJ990202_02.9819.C90.o1.tm	Method	TBLASTX:Maize
Start	1320	End	1730
GI	none	Score	97
Exons	1320..1493, 1364..1495, 1364..1495, 1369..1515, 1609..1677, 1610..1678, 1679..1729, 1683..1730		

Seq. No.	4089	Seq. ID	OJ990202_02.9819.C90
Gene No.	8565	Strand	-
Start	1016	End	1775
Name	OJ990202_02.9819.C90.o1.tw	Method	TBLASTX:Wheat
Start	1326	End	1763
GI	none	Score	89
Exons	1326..1493, 1327..1500, 1327..1515, 1409..1522, 1609..1677, 1610..1678, 1633..1725, 1680..1763, 1683..1730		

Seq. No.	4089	Seq. ID	OJ990202_02.9819.C90
Gene No.	8565	Strand	-
Start	1016	End	1775
Name	OJ990202_02.9819.C90.o1.np	Method	AAT/NAP
Start	1366	End	1775
GI	2995380	Score	271
Exons	1366..1497, 1608..1775		
GI Descrip.	(AJ001903) thioredoxin H [Triticum durum]		

Seq. No.	4090	Seq. ID	OJ990202_02.9819.C91
Gene No.	8566	Strand	-
Start	1	End	513
Name	OJ990202_02.9819.C91.o1.np	Method	AAT/NAP
Start	1	End	408
GI	2995380	Score	87
Exons	1..49, 263..408		
GI Descrip.	(AJ001903) thioredoxin H [Triticum durum]		

Seq. No.	4090	Seq. ID	OJ990202_02.9819.C91
Gene No.	8566	Strand	-
Start	1	End	513
Name	OJ990202_02.9819.C91.o1.gp	Method	AAT/GAP
Start	272	End	513
GI	20409_1.R1084	Score	450
Exons	272..513		
GI Descrip.	'2995380/emb|CAA05081| 3.0e-47 (AJ001903) thioredoxin H [Triticum durum]'		

Seq. No.	4090	Seq. ID	OJ990202_02.9819.C91
Gene No.	8566	Strand	-
Start	1	End	513
Name	OJ990202_02.9819.C91.o1.gs	Method	GENSCAN
Start	274	End	381
GI	none	Score	.99
Exons	274..381		

Seq. No.	4091	Seq. ID	OJ990122_05.9819.C1
Gene No.	8567	Strand	+
Start	934	End	1028
Name	OJ990122_05.9819.C1.o1.gs	Method	GENSCAN
Start	934	End	1028
GI	none	Score	.55
Exons	934..1028		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8568	Strand	+
Start	1004	End	7449
Name	OJ990122_05.9819.C2.o1.gs	Method	GENSCAN
Start	1004	End	7449
GI	none	Score	.67
Exons	1004..1066, 1317..1324, 2424..2481, 2634..2727, 3460..3564, 3667..4176, 4816..4973, 5154..5202, 6131..6265, 6568..7449		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8568	Strand	+
Start	1004	End	7449

Name	OJ990122_05.9819.C2.o1.np	Method	AAT/NAP
Start	1823	End	5641
GI	6630685	Score	1245
Exons	1823..1861, 4786..5641		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8569	Strand	-
Start	2326	End	2707
Name	OJ990122_05.9819.C2.o1.gp	Method	AAT/GAP
Start	2326	End	2707
GI	uC-osflcyp033a04b1	Score	675
Exons	2326..2707		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8570	Strand	
Start	4787	End	5644
Name	OJ990122_05.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	4787	End	4964
GI	none	Score	244
Exons	4787..4963, 4788..4964		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8570	Strand	
Start	4787	End	5644
Name	OJ990122_05.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	4791	End	5201
GI	none	Score	90
Exons	4791..4949, 4977..5201		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8570	Strand	
Start	4787	End	5644
Name	OJ990122_05.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	4965	End	5644
GI	none	Score	874
Exons	4965..5537, 4965..5267, 4975..5499, 4976..5500, 5349..5519, 5539..5577, 5540..5638, 5540..5644		

Seq. No.	4092	Seq. ID	OJ990122_05.9819.C2
Gene No.	8570	Strand	
Start	4787	End	5644
Name	OJ990122_05.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	4986	End	5501
GI	none	Score	300
Exons	4986..5384, 5195..5374, 5394..5501		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8571	Strand	+
Start	97	End	490
Name	OJ990122_05.9819.C3.o1.gs	Method	GENSCAN
Start	97	End	490
GI	none	Score	.73
Exons	97..232, 278..490		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8572	Strand	+
Start	1330	End	2476
Name	OJ990122_05.9819.C3.o2.gs	Method	GENSCAN
Start	1330	End	2476
GI	none	Score	.69
Exons	1330..1560, 2315..2476		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8573	Strand	+
Start	9759	End	12854
Name	OJ990122_05.9819.C3.o4.gs	Method	GENSCAN
Start	9759	End	12854
GI	none	Score	.67
Exons	9759..10228, 12077..12192, 12319..12854		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8573	Strand	+
Start	9759	End	12854
Name	OJ990122_05.9819.C3.o3.np	Method	AAT/NAP
Start	10847	End	12619
GI	2583112	Score	48
Exons	10847..10885, 12396..12619		
GI Descrip.	(AC002387) putative AT-hook DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8574	Strand	-
Start	1	End	1806
Name	OJ990122_05.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	6907089	Score	74
Exons	1..151, 1748..1806		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8575	Strand	-
Start	3139	End	11373
Name	OJ990122_05.9819.C3.o3.gs	Method	GENSCAN
Start	3139	End	8812
GI	none	Score	.81
Exons	3139..3468, 6412..6567, 7115..7174, 7573..7912, 8745..8812		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8575	Strand	-
Start	3139	End	11373
Name	OJ990122_05.9819.C3.o2.np	Method	AAT/NAP
Start	4888	End	11373
GI	6498122	Score	1557
Exons	4888..5018, 6046..6139, 6412..6567, 7115..7174, 7268..7486, 7573..7912, 9775..10088, 11315..11373		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8575	Strand	-
Start	3139	End	11373

Name	OJ990122_05.9819.C3.o1.gp	Method	AAT/GAP
Start	6436	End	7685
GI	59388_1.R1084	Score	969
Exons	6436..6567, 7115..7174, 7268..7486, 7573..7685		
GI Descrip.	'4512651/gb|AAD21706.1| 2.0e-47 (AC007048) putative tyrosine transaminase [Arabidopsis thaliana]'		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4894	End	7899
GI	none	Score	132
Exons	4894..5019, 4900..5019, 4904..5029, 4904..5020, 6041..6148, 6042..6140, 6046..6141, 6397..6567, 6404..6571, 6405..6575, 6407..6568, 6409..6579, 7115..7156, 7122..7175, 7265..7483, 7269..7487, 7269..7487, 7270..7488, 7562..7831, 7562..7651, 7570..7836, 7754..7837, 7837..7899, 7838..7897		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	4906	End	7915
GI	none	Score	96
Exons	4906..5019, 4907..5020, 6038..6139, 6042..6146, 6397..6564, 6398..6490, 6405..6569, 6407..6568, 7265..7483, 7293..7484, 7570..7887, 7570..7911, 7589..7915		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	7292	End	7728
GI	none	Score	194
Exons	7292..7483, 7293..7484, 7570..7728, 7580..7726		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	7798	End	10013
GI	none	Score	118
Exons	7798..7914, 7799..7930, 9759..10013, 9793..9975		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	9759	End	10037
GI	none	Score	178
Exons	9759..10037, 9793..9975		

Seq. No.	4093	Seq. ID	OJ990122_05.9819.C3
Gene No.	8576	Strand	-
Start	16819	End	19221
Name	OJ990122_05.9819.C3.o3.gp	Method	AAT/GAP

Start	16819	End	19221
GI	427259	Score	623
Exons	16819..17050, 18966..19083, 19198..19221		

Seq. No.	4094	Seq. ID	OJ990122_05.9819.C5
Gene No.	8577	Strand	+
Start	724	End	910
Name	OJ990122_05.9819.C5.o1.gs	Method	GENSCAN
Start	724	End	910
GI	none	Score	.75
Exons	724..788, 790..910		

Seq. No.	4095	Seq. ID	OJ990122_05.9819.C6
Gene No.	8578	Strand	+
Start	1233	End	1477
Name	OJ990122_05.9819.C6.o1.gp	Method	AAT/GAP
Start	1233	End	1477
GI	none	Score	424
Exons	1233..1477		

Seq. No.	4095	Seq. ID	OJ990122_05.9819.C6
Gene No.	8579	Strand	-
Start	1246	End	1366
Name	OJ990122_05.9819.C6.o2.gs	Method	GENSCAN
Start	1246	End	1366
GI	none	Score	.43
Exons	1246..1366		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8580	Strand	+
Start	1	End	5005
Name	OJ990122_05.9819.C10.o3.np	Method	AAT/NAP
Start	1	End	5002
GI	6498441	Score	3966
Exons	1..26, 1822..1968, 2143..2483, 2676..3058, 3230..4627, 4721..5002		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8580	Strand	+
Start	1	End	5005
Name	OJ990122_05.9819.C10.o1.gp	Method	AAT/GAP
Start	763	End	1147
GI	uC-osflcyp033a04b1	Score	682
Exons	763..1147		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8580	Strand	+
Start	1	End	5005
Name	OJ990122_05.9819.C10.o1.gs	Method	GENSCAN
Start	943	End	5005
GI	none	Score	.98
Exons	943..1019, 1822..5005		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8581	Strand	+
Start	5162	End	5623
Name	OJ990122_05.9819.C10.o2.gp	Method	AAT/GAP
Start	5162	End	5623
GI	2428323	Score	846
Exons	5162..5623		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8582	Strand	+
Start	9853	End	10338
Name	OJ990122_05.9819.C10.o5.np	Method	AAT/NAP
Start	9853	End	10338
GI	5042454	Score	197
Exons	9853..10050, 10288..10338		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o2.np	Method	AAT/NAP
Start	1	End	2987
GI	5852180	Score	35
Exons	1..60, 996..1054, 1283..1348, 2918..2987		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o6.np	Method	AAT/NAP
Start	1	End	20919
GI	2653671	Score	100
Exons	1..103, 2360..2452, 4932..5033, 5619..5720, 11499..11655, 19957..20089, 20179..20309, 20889..20919		
GI Descrip.	(U88587) 120 kDa style glycoprotein [Nicotiana alata]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o1.np	Method	AAT/NAP
Start	696	End	2645
GI	4680186	Score	223
Exons	696..896, 2499..2645		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	1852	End	2182
GI	none	Score	64
Exons	1852..2163, 1855..2169, 1856..2182		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10

Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	1858	End	2275
GI	none	Score	487
Exons	1858..2268, 1859..2275		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	1934	End	2305
GI	none	Score	278
Exons	1934..2305, 1951..2094		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	2930	End	3364
GI	none	Score	236
Exons	2930..3181, 2930..3127, 2995..3171, 3215..3364, 3226..3363		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	3053	End	3619
GI	5666795	Score	68
Exons	3053..3151, 3227..3364, 3419..3619		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o5.tw	Method	TBLASTX:Wheat
Start	3367	End	3679
GI	none	Score	192
Exons	3367..3543, 3419..3679		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	3872	End	4195
GI	none	Score	364
Exons	3872..4195, 3901..4182		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	4009	End	4390
GI	none	Score	375
Exons	4009..4065, 4010..4390, 4106..4351, 4111..4359		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10

Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o4.tw	Method	TBLASTX:Wheat
Start	4391	End	4993
GI	none	Score	265
Exons	4391..4675, 4395..4466, 4396..4494, 4531..4701, 4531..4674, 4867..4989, 4868..4993		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	4862	End	5023
GI	none	Score	186
Exons	4862..5023, 4867..5001		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o2.gs	Method	GENSCAN
Start	5631	End	8815
GI	none	Score	.92
Exons	5631..7458, 7554..7697, 7758..8815		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o4.np	Method	AAT/NAP
Start	5634	End	8815
GI	6907089	Score	4535
Exons	5634..7458, 7554..8815		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o3.gs	Method	GENSCAN
Start	9196	End	20171
GI	none	Score	.66
Exons	9196..9311, 10648..10798, 14144..14224, 14555..14713, 15912..15980, 16536..16649, 17194..17247, 18177..18304, 19916..20171		

Seq. No.	4096	Seq. ID	OJ990122_05.9819.C10
Gene No.	8583	Strand	-
Start	1	End	20919
Name	OJ990122_05.9819.C10.o3.gp	Method	AAT/GAP
Start	13671	End	14699
GI	none	Score	1092
Exons	13671..14057, 14144..14224, 14555..14699		

Seq. No.	4097	Seq. ID	OJ990122_05.9819.C11
Gene No.	8584	Strand	+
Start	1968	End	6998
Name	OJ990122_05.9819.C11.o1.np	Method	AAT/NAP
Start	1968	End	5157
GI	4455154	Score	71

Exons	1968..1991, 3279..3498, 5099..5157		
GI Descrip.	(AL033545) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	4097	Seq. ID	OJ990122_05.9819.C11
Gene No.	8584	Strand	+
Start	1968	End	6998
Name	OJ990122_05.9819.C11.o1.gp	Method	AAT/GAP
Start	3194	End	6998
GI	none	Score	569
Exons	3194..3452, 6927..6998		
Seq. No.	4097	Seq. ID	OJ990122_05.9819.C11
Gene No.	8585	Strand	-
Start	6281	End	7053
Name	OJ990122_05.9819.C11.o2.gs	Method	GENSCAN
Start	6281	End	7053
GI	none	Score	.43
Exons	6281..6433, 6988..7053		
Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8586	Strand	+
Start	558	End	2952
Name	OJ990122_05.9819.C12.o1.gp	Method	AAT/GAP
Start	558	End	958
GI	none	Score	557
Exons	558..817, 916..958		
Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8586	Strand	+
Start	558	End	2952
Name	OJ990122_05.9819.C12.o1.gs	Method	GENSCAN
Start	558	End	2669
GI	none	Score	.98
Exons	558..817, 916..1022, 1331..1463, 1572..1766, 2316..2669		
Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8586	Strand	+
Start	558	End	2952
Name	OJ990122_05.9819.C12.o1.np	Method	AAT/NAP
Start	756	End	2627
GI	6692265	Score	620
Exons	756..817, 916..1022, 1331..1463, 1572..1766, 2316..2495, 2532..2627		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		
Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8586	Strand	+
Start	558	End	2952
Name	OJ990122_05.9819.C12.o2.gp	Method	AAT/GAP
Start	2335	End	2952
GI	none	Score	1163
Exons	2335..2952		
Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o2.tm	Method	TBLASTX:Maize

Start	556	End	966
GI	none	Score	266
Exons	556..813, 557..814, 566..817, 906..965, 916..966		

Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	739	End	2602
GI	none	Score	127
Exons	739..816, 903..1004, 916..1023, 1246..1308, 1338..1466, 1349..1459, 1561..1767, 1567..1743, 1572..1781, 1574..1774, 2306..2452, 2316..2453, 2529..2600, 2540..2602		

Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	966	End	3032
GI	none	Score	84
Exons	966..1022, 967..1023, 970..1026, 974..1042, 974..1030, 1148..1180, 1149..1181, 1237..1308, 1246..1305, 1331..1465, 1332..1466, 1559..1762, 1561..1761, 1571..1768, 1572..1766, 2311..2448, 2312..2467, 2317..2469, 2318..2467, 2319..2474, 2510..2599, 2523..2603, 2527..2598, 2540..2602, 2578..2628, 2588..2623, 2631..2675, 2639..2671, 2660..2749, 2693..2761, 2697..2765, 2698..2766, 2770..2811, 2777..2878, 2817..2843, 2946..3032, 2987..3031		

Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	1387	End	2576
GI	none	Score	71
Exons	1387..1458, 1389..1466, 1545..1781, 1580..1774, 1584..1790, 2315..2431, 2316..2453, 2529..2576		

Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o2.gs	Method	GENSCAN
Start	3387	End	3779
GI	none	Score	.59
Exons	3387..3779		

Seq. No.	4098	Seq. ID	OJ990122_05.9819.C12
Gene No.	8587	Strand	-
Start	3387	End	4707
Name	OJ990122_05.9819.C12.o2.np	Method	AAT/NAP
Start	3413	End	4707
GI	6906857	Score	121
Exons	3413..3741, 4568..4707		
GI Descrip.	(AF148498) unknown [Zea mays]		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8588	Strand	+

Start	540	End	5574
Name	OJ990122_05.9819.C13.o1.gs	Method	GENSCAN
Start	540	End	5439
GI	none	Score	.65
Exons	540..623, 904..971, 1869..1941, 2158..2267, 2345..2449, 2572..2671, 2709..2818, 4881..5043, 5122..5180, 5313..5439		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8588	Strand	+
Start	540	End	5574
Name	OJ990122_05.9819.C13.o1.np	Method	AAT/NAP
Start	540	End	2917
GI	4587553	Score	426
Exons	540..623, 904..971, 1869..2019, 2316..2449, 2572..2671, 2744..2917		
GI Descrip.	(AC006577) F15I1.20 [Arabidopsis thaliana]		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8588	Strand	+
Start	540	End	5574
Name	OJ990122_05.9819.C13.o1.gp	Method	AAT/GAP
Start	1864	End	1941
GI	LIB3477-010-P1-K1-C8	Score	104
Exons	1864..1941		
GI Descrip.	'4587553/gb|AAD25784.1|AC006577_20 7.0e-17 (AC006577) F15I1.20 [Arabidopsis thaliana]'		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8588	Strand	+
Start	540	End	5574
Name	OJ990122_05.9819.C13.o2.gp	Method	AAT/GAP
Start	3710	End	5574
GI	none	Score	1077
Exons	3710..3918, 4971..5043, 5166..5221, 5313..5574		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8589	Strand	+
Start	6500	End	6961
Name	OJ990122_05.9819.C13.o3.gp	Method	AAT/GAP
Start	6500	End	6961
GI	none	Score	859
Exons	6500..6961		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8590	Strand	-
Start	12365	End	16191
Name	OJ990122_05.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	2198	End	2937
GI	none	Score	72
Exons	2198..2266, 2198..2266, 2232..2267, 2367..2459, 2370..2453, 2390..2470, 2569..2670, 2570..2677, 2728..2937, 2742..2840, 2744..2920		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8590	Strand	-
Start	12365	End	16191
Name	OJ990122_05.9819.C13.o1.tc	Method	TBLASTX:Cress

Start	2567	End	2917
GI	none	Score	121
Exons	2567..2677, 2569..2670, 2573..2674, 2711..2914, 2728..2916, 2744..2917		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8590	Strand	-
Start	12365	End	16191
Name	OJ990122_05.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	2742	End	2920
GI	none	Score	66
Exons	2742..2840, 2743..2916, 2744..2920		

Seq. No.	4099	Seq. ID	OJ990122_05.9819.C13
Gene No.	8590	Strand	-
Start	12365	End	16191
Name	OJ990122_05.9819.C13.o3.gs	Method	GENSCAN
Start	12365	End	16191
GI	none	Score	.41
Exons	12365..12411, 13733..13810, 14238..14275, 15855..15915, 16053..16191		

Seq. No.	4100	Seq. ID	OJ990122_05.9819.C14
Gene No.	8591	Strand	+
Start	1042	End	1191
Name	OJ990122_05.9819.C14.o1.np	Method	AAT/NAP
Start	1042	End	1191
GI	6498441	Score	133
Exons	1042..1191		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4100	Seq. ID	OJ990122_05.9819.C14
Gene No.	8592	Strand	-
Start	449	End	715
Name	OJ990122_05.9819.C14.o1.gp	Method	AAT/GAP
Start	449	End	715
GI	none	Score	492
Exons	449..715		

Seq. No.	4101	Seq. ID	OJ990122_05.9819.C16
Gene No.	8593	Strand	+
Start	184	End	1185
Name	OJ990122_05.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	78	End	224
GI	none	Score	196
Exons	78..224, 79..222, 105..224		

Seq. No.	4101	Seq. ID	OJ990122_05.9819.C16
Gene No.	8593	Strand	+
Start	184	End	1185
Name	OJ990122_05.9819.C16.o1.np	Method	AAT/NAP
Start	184	End	1185
GI	5103193	Score	1055
Exons	184..1035, 1101..1185		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100]		

gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]

Seq. No.	4102	Seq. ID	OJ990122_05.9819.C20
Gene No.	8594	Strand	-
Start	1109	End	1165
Name	OJ990122_05.9819.C20.o1.gp	Method	AAT/GAP
Start	1109	End	1165
GI	none	Score	69
Exons	1109..1165		

Seq. No.	4103	Seq. ID	OJ990122_05.9819.C21
Gene No.	8595	Strand	+
Start	80	End	754
Name	OJ990122_05.9819.C21.o1.np	Method	AAT/NAP
Start	80	End	754
GI	6498122	Score	101
Exons	80..206, 654..754		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		

Seq. No.	4104	Seq. ID	OJ990122_05.9819.C25
Gene No.	8596	Strand	+
Start	429	End	605
Name	OJ990122_05.9819.C25.o1.gs	Method	GENSCAN
Start	429	End	605
GI	none	Score	.46
Exons	429..605		

Seq. No.	4105	Seq. ID	OJ990122_05.9819.C27
Gene No.	8597	Strand	+
Start	315	End	406
Name	OJ990122_05.9819.C27.o1.gs	Method	GENSCAN
Start	315	End	406
GI	none	Score	.82
Exons	315..406		

Seq. No.	4106	Seq. ID	OJ990122_05.9819.C31
Gene No.	8598	Strand	+
Start	331	End	425
Name	OJ990122_05.9819.C31.o1.gs	Method	GENSCAN
Start	331	End	425
GI	none	Score	.7
Exons	331..425		

Seq. No.	4107	Seq. ID	OJ990122_05.9819.C33
Gene No.	8599	Strand	+
Start	315	End	440
Name	OJ990122_05.9819.C33.o1.gs	Method	GENSCAN
Start	315	End	440
GI	none	Score	.81
Exons	315..440		

Seq. No.	4108	Seq. ID	OJ990122_05.9819.C34
Gene No.	8600	Strand	+
Start	244	End	505
Name	OJ990122_05.9819.C34.o1.gp	Method	AAT/GAP
Start	244	End	505

GI	none	Score	430
Exons	244..505		
Seq. No.	4108	Seq. ID	OJ990122_05.9819.C34
Gene No.	8601	Strand	+
Start	468	End	542
Name	OJ990122_05.9819.C34.o1.gs	Method	GENSCAN
Start	468	End	542
GI	none	Score	.66
Exons	468..542		
Seq. No.	4109	Seq. ID	OJ990122_05.9819.C36
Gene No.	8602	Strand	-
Start	393	End	518
Name	OJ990122_05.9819.C36.o1.gs	Method	GENSCAN
Start	393	End	518
GI	none	Score	.95
Exons	393..518		
Seq. No.	4110	Seq. ID	OJ990122_05.9819.C39
Gene No.	8603	Strand	-
Start	783	End	956
Name	OJ990122_05.9819.C39.o1.gs	Method	GENSCAN
Start	783	End	956
GI	none	Score	.52
Exons	783..956		
Seq. No.	4111	Seq. ID	OJ990122_05.9819.C40
Gene No.	8604	Strand	+
Start	129	End	1075
Name	OJ990122_05.9819.C40.o1.gp	Method	AAT/GAP
Start	129	End	569
GI	none	Score	271
Exons	129..201, 324..379, 471..569		
Seq. No.	4111	Seq. ID	OJ990122_05.9819.C40
Gene No.	8604	Strand	+
Start	129	End	1075
Name	OJ990122_05.9819.C40.o1.gs	Method	GENSCAN
Start	129	End	1075
GI	none	Score	.62
Exons	129..201, 280..338, 718..773,	1014..1075	
Seq. No.	4111	Seq. ID	OJ990122_05.9819.C40
Gene No.	8604	Strand	+
Start	129	End	1075
Name	OJ990122_05.9819.C40.o3.gp	Method	AAT/GAP
Start	129	End	806
GI	none	Score	577
Exons	129..201, 324..380, 471..806		
Seq. No.	4112	Seq. ID	OJ990122_05.9819.C42
Gene No.	8605	Strand	-
Start	223	End	365
Name	OJ990122_05.9819.C42.o1.gp	Method	AAT/GAP
Start	223	End	365
GI	427259	Score	237

Exons	223..365		
Seq. No.	4113	Seq. ID	OJ990122_05.9819.C43
Gene No.	8606	Strand	+
Start	530	End	706
Name	OJ990122_05.9819.C43.o1.gs	Method	GENSCAN
Start	530	End	706
GI	none	Score	.46
Exons	530..706		
Seq. No.	4114	Seq. ID	OJ990122_05.9819.C45
Gene No.	8607	Strand	+
Start	398	End	559
Name	OJ990122_05.9819.C45.o1.gs	Method	GENSCAN
Start	398	End	559
GI	none	Score	.96
Exons	398..559		
Seq. No.	4115	Seq. ID	OJ990122_05.9819.C56
Gene No.	8608	Strand	+
Start	93	End	347
Name	OJ990122_05.9819.C56.o1.gp	Method	AAT/GAP
Start	93	End	347
GI	none	Score	431
Exons	93..347		
Seq. No.	4115	Seq. ID	OJ990122_05.9819.C56
Gene No.	8609	Strand	-
Start	222	End	233
Name	OJ990122_05.9819.C56.o1.gs	Method	GENSCAN
Start	222	End	233
GI	none	Score	.44
Exons	222..233		
Seq. No.	4116	Seq. ID	OJ990122_05.9819.C58
Gene No.	8610	Strand	-
Start	322	End	2173
Name	OJ990122_05.9819.C58.o1.gp	Method	AAT/GAP
Start	196	End	2144
GI	427308	Score	366
Exons	196..300, 1634..1749, 2090..2144		
Seq. No.	4116	Seq. ID	OJ990122_05.9819.C58
Gene No.	8610	Strand	-
Start	322	End	2173
Name	OJ990122_05.9819.C58.o1.gs	Method	GENSCAN
Start	322	End	2173
GI	none	Score	.71
Exons	322..444, 2090..2173		
Seq. No.	4117	Seq. ID	OJ990122_05.9819.C60
Gene No.	8611	Strand	+
Start	232	End	315
Name	OJ990122_05.9819.C60.o1.gs	Method	GENSCAN
Start	232	End	315
GI	none	Score	.83
Exons	232..315		

Seq. No.	4118	Seq. ID	OJ990122_05.9819.C61
Gene No.	8612	Strand	-
Start	316	End	513
Name	OJ990122_05.9819.C61.o1.gp	Method	AAT/GAP
Start	316	End	513
GI	none	Score	348
Exons	316..513		

Seq. No.	4118	Seq. ID	OJ990122_05.9819.C61
Gene No.	8612	Strand	-
Start	316	End	513
Name	OJ990122_05.9819.C61.o1.gs	Method	GENSCAN
Start	323	End	442
GI	none	Score	.41
Exons	323..442		

Seq. No.	4119	Seq. ID	OJ990122_05.9819.C65
Gene No.	8613	Strand	-
Start	130	End	726
Name	OJ990122_05.9819.C65.o1.np	Method	AAT/NAP
Start	130	End	726
GI	418604	Score	936
Exons	130..726		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	4120	Seq. ID	OJ990122_05.9819.C66
Gene No.	8614	Strand	-
Start	192	End	743
Name	OJ990122_05.9819.C66.o1.gs	Method	GENSCAN
Start	192	End	743
GI	none	Score	.71
Exons	192..412, 680..743		

Seq. No.	4121	Seq. ID	OJ990122_05.9819.C67
Gene No.	8615	Strand	-
Start	546	End	649
Name	OJ990122_05.9819.C67.o1.gs	Method	GENSCAN
Start	546	End	649
GI	none	Score	.91
Exons	546..649		

Seq. No.	4122	Seq. ID	OJ990122_01.9819.C1
Gene No.	8616	Strand	+
Start	723	End	1217
Name	OJ990122_01.9819.C1.o1.gs	Method	GENSCAN
Start	723	End	1040
GI	none	Score	.94
Exons	723..854, 969..1040		

Seq. No.	4122	Seq. ID	OJ990122_01.9819.C1
Gene No.	8616	Strand	+
Start	723	End	1217
Name	OJ990122_01.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	726	End	1217
GI	none	Score	89

Exons	726..866, 765..851, 766..852, 950..1036, 961..1038, 1101..1217, 1106..1216		
Seq. No.	4122	Seq. ID	OJ990122_01.9819.C1
Gene No.	8616	Strand	+
Start	723	End	1217
Name	OJ990122_01.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	726	End	1217
GI	none	Score	133
Exons	726..845, 766..846, 766..849, 965..1039, 1095..1217, 1098..1217		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8617	Strand	+
Start	2088	End	3462
Name	OJ990122_01.9819.C2.o1.gs	Method	GENSCAN
Start	2088	End	3462
GI	none	Score	.64
Exons	2088..2098, 2967..3122, 3324..3462		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o1.gp	Method	AAT/GAP
Start	4555	End	5107
GI	LIB3431-036-P1-K1-G6	Score	794
Exons	4555..4930, 5042..5107		
GI Descrip.	'4895205/gb|AAD32792.1|AC007661_29 4.0e-21 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o1.np	Method	AAT/NAP
Start	4811	End	13784
GI	4895205	Score	1016
Exons	4811..4930, 5042..5092, 5879..5955, 6074..6161, 6685..6960, 7080..7414, 13688..13784		
GI Descrip.	(AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o2.gs	Method	GENSCAN
Start	4820	End	8216
GI	none	Score	.92
Exons	4820..4930, 5042..5092, 5879..5955, 6074..6161, 6685..6960, 7080..7328, 8133..8216		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o2.gp	Method	AAT/GAP
Start	5964	End	7152
GI	57518_1.R1084	Score	1034
Exons	5964..6161, 6685..6960, 7080..7152		
GI Descrip.	'3236259 8.0e-53 (AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana] >gi_4895207_gb_AAD32794.1_AC007661_31		

(AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o3.gp	Method	AAT/GAP
Start	12009	End	12943
GI	44355_1.R1084	Score	891
Exons	12009..12221, 12313..12363, 12473..12549, 12683..12770, 12864..12943		
GI Descrip.	'3236259 3.0e-31 (AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana] >gi_4895207_gb_AAD32794.1_AC007661_31 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8618	Strand	+
Start	4820	End	13787
Name	OJ990122_01.9819.C2.o4.gs	Method	GENSCAN
Start	12111	End	13787
GI	none	Score	.67
Exons	12111..12221, 12473..12549, 12683..12770, 12882..13136, 13226..13366, 13704..13787		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8619	Strand	+
Start	23836	End	34212
Name	OJ990122_01.9819.C2.o7.gs	Method	GENSCAN
Start	23836	End	34096
GI	none	Score	.87
Exons	23836..23944, 24630..24742, 24977..25117, 25787..25858, 25958..26061, 26142..26244, 26332..26493, 26618..26895, 30003..30153, 30370..30534, 30652..30729, 30859..30948, 31035..31121, 31211..31297, 31354..31465, 31608..31711, 32010..32085, 32529..32679, 32983..33049, 33200..33270, 33484..33558, 33680..33773, 33980..34096		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8619	Strand	+
Start	23836	End	34212
Name	OJ990122_01.9819.C2.o5.gp	Method	AAT/GAP
Start	24879	End	26259
GI	uC-osflm202120c01b1	Score	937
Exons	24879..25117, 25787..25858, 25958..26061, 26142..26259		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8619	Strand	+
Start	23836	End	34212
Name	OJ990122_01.9819.C2.o2.np	Method	AAT/NAP
Start	25058	End	33559
GI	6225820	Score	2332
Exons	25058..25117, 25787..25858, 25958..26061, 26142..26244,		

26332..26493, 26618..26895, 30003..30153, 30370..30534,
30652..30729, 30859..30948, 31035..31121, 31211..31297,
31369..31465, 31608..31711, 32010..32085, 32529..32679,
32821..32889, 32983..33049, 33200..33271, 33485..33559

GI Descrip. DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) [INCLUDES: GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMATE-5-SEMIALDEHYDE DEHYDROGENASE) (GLUTAMYL-GAMMA-SEMIALDEHYDE...
gi|2081612|dbj|BAA19916| (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8619	Strand	+
Start	23836	End	34212
Name	OJ990122_01.9819.C2.o6.gp	Method	AAT/GAP
Start	32969	End	33727
GI	428854	Score	558
Exons	32969..33049, 33200..33270, 33484..33563, 33635..33727		
GI Descrip.	2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8619	Strand	+
Start	23836	End	34212
Name	OJ990122_01.9819.C2.o7.gp	Method	AAT/GAP
Start	33894	End	34212
GI	2798694	Score	596
Exons	33894..34212		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8620	Strand	-
Start	9068	End	10278
Name	OJ990122_01.9819.C2.o3.gs	Method	GENSCAN
Start	9068	End	10278
GI	none	Score	.96
Exons	9068..9273, 10185..10278		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8621	Strand	-
Start	14138	End	17307
Name	OJ990122_01.9819.C2.o5.gs	Method	GENSCAN
Start	14138	End	17307
GI	none	Score	.64
Exons	14138..14364, 14499..14570, 14686..14816, 14868..15011, 15440..15518, 16469..16612, 16629..16796, 16834..16937, 17117..17307		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8621	Strand	-
Start	14138	End	17307
Name	OJ990122_01.9819.C2.o4.gp	Method	AAT/GAP
Start	14362	End	16643
GI	7319_2.R1084	Score	1226
Exons	14362..14425, 14499..14570, 14686..14774, 14868..14954, 15440..15518, 15618..15658, 16362..16643		
GI Descrip.	'2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]'		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8622	Strand	-
Start	17518	End	22477
Name	OJ990122_01.9819.C2.o6.gs	Method	GENSCAN
Start	17518	End	22477
GI	none	Score	.58
Exons	17518..17694, 18460..18693, 21957..22136, 22436..22477		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	887	End	13790
GI	none	Score	128
Exons	887..973, 887..973, 6744..6956, 6745..6960, 6749..7000, 6903..6971, 7080..7328, 7082..7333, 7084..7224, 7085..7333, 8100..8216, 8130..8249, 8135..8254, 12923..13132, 12924..13136, 13265..13456, 13279..13470, 13695..13790		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	926	End	13461
GI	none	Score	68
Exons	926..973, 6820..6960, 6822..6959, 7083..7328, 7085..7216, 7125..7322, 12996..13136, 12998..13135, 13265..13456, 13271..13456, 13282..13461		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o5.tc	Method	TBLASTX:Cress
Start	4813	End	12553
GI	none	Score	163
Exons	4813..4893, 4814..4945, 5036..5095, 5879..5956, 5881..5958, 6075..6116, 12123..12176, 12316..12366, 12472..12552, 12473..12553		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	4813	End	12176
GI	none	Score	195
Exons	4813..4893, 4814..4945, 12111..12176		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	4814	End	13470
GI	none	Score	147
Exons	4814..4945, 4831..4893, 5036..5113, 5876..5956, 5881..5958, 6084..6164, 6685..6960, 6690..6959, 6763..6960, 7070..7303, 7082..7333, 7083..7328, 12123..12176, 12310..12366,		

12472..12543, 12473..12550, 12681..12770, 12703..12768,
12864..12896, 12885..13136, 12902..13135, 12912..13136,
13271..13456, 13285..13470, 13326..13460

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	5041	End	12914
GI	none	Score	83

Exons 5041..5106, 5042..5095, 5876..5956, 5881..5958, 5988..6194,
6056..6160, 12279..12371, 12289..12366, 12297..12368,
12463..12552, 12464..12550, 12671..12721, 12672..12731,
12681..12773, 12682..12765, 12864..12914, 12869..12913

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	14312	End	16520
GI	none	Score	109

Exons 14312..14425, 14322..14426, 14322..14438, 14323..14433,
14501..14578, 14503..14589, 14650..14772, 14674..14775,
14690..14773, 14691..14813, 14870..14956, 14874..14969,
14884..14970, 15440..15520, 15442..15534, 15442..15534,
15614..15658, 15616..15657, 16360..16398, 16364..16495,
16398..16520

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	14322	End	16520
GI	none	Score	124

Exons 14322..14444, 14326..14433, 14500..14574, 14504..14569,
14690..14773, 14691..14813, 14868..14966, 14870..14956,
15440..15514, 15442..15516, 15619..15657, 16360..16398,
16364..16495, 16398..16520

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o6.tc	Method	TBLASTX:Cress
Start	15442	End	16520
GI	none	Score	75

Exons 15442..15504, 15616..15657, 16364..16495, 16404..16520

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	25046	End	26229
GI	none	Score	64

Exons 25046..25120, 25069..25119, 25070..25120, 25775..25861,
25786..25863, 25955..26059, 25955..26059, 25957..26061,
25987..26064, 26138..26227, 26139..26228, 26140..26229

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	25058	End	33571
GI	none	Score	72
Exons	25058..25120, 25775..25861, 25786..25863, 25786..25863, 25955..26059, 25957..26073, 25957..26061, 26138..26248, 26139..26252, 26140..26253, 26213..26275, 26323..26493, 26329..26493, 26330..26494, 26333..26494, 26373..26516, 26615..26890, 26616..26834, 26618..26893, 26746..26895, 30000..30158, 30001..30153, 30001..30159, 30366..30494, 30367..30498, 30397..30498, 30496..30537, 30498..30533, 30502..30543, 30621..30731, 30648..30731, 30649..30732, 30649..30741, 30857..30949, 30857..30943, 30858..30944, 30859..30951, 31026..31151, 31032..31121, 31088..31123, 31193..31294, 31205..31288, 31210..31335, 31362..31463, 31367..31468, 31369..31482, 31593..31712, 31606..31713, 31607..31720, 31607..31714, 31956..32093, 32008..32085, 32009..32086, 32514..32678, 32528..32677, 32557..32703, 32792..32842, 32800..32889, 32819..32887, 32963..33049, 32978..33052, 32980..33051, 33198..33266, 33199..33267, 33200..33268, 33457..33570, 33475..33564, 33485..33571		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	25775	End	33559
GI	none	Score	110
Exons	25775..25861, 25786..25860, 25955..26059, 25966..26061, 25987..26073, 26139..26252, 26140..26253, 26305..26493, 26329..26493, 26607..26687, 26608..26763, 26615..26833, 26618..26890, 26746..26895, 30000..30143, 30001..30153, 30367..30546, 30375..30533, 30648..30731, 30649..30732, 30858..30947, 30859..30951, 31026..31127, 31028..31123, 31193..31300, 31193..31297, 31210..31335, 31359..31463, 31363..31482, 31606..31719, 31607..31720, 32528..32677, 32563..32703, 32804..32887, 32818..32889, 32978..33052, 32980..33051, 33199..33270, 33200..33271, 33457..33552, 33485..33559		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	25775	End	26647
GI	none	Score	102
Exons	25775..25861, 25786..25857, 25955..26059, 25963..26061, 26139..26252, 26140..26253, 26329..26493, 26329..26478, 26373..26516, 26618..26647		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o7.ts	Method	TBLASTX:Soybean
Start	26666	End	30468

GI	none	Score	280
Exons	26666..26890, 26678..26893, 26701..26895, 26743..26895, 30000..30143, 30001..30153, 30367..30468		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o6.ts	Method	TBLASTX:Soybean
Start	30472	End	31449
GI	none	Score	86
Exons	30472..30546, 30474..30533, 30648..30731, 30649..30735, 30871..30951, 30876..30947, 31012..31122, 31026..31151, 31047..31124, 31193..31300, 31210..31335, 31363..31449, 31368..31448		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	31636	End	33247
GI	none	Score	111
Exons	31636..31713, 31637..31720, 31643..31720, 32001..32087, 32009..32092, 32525..32677, 32525..32677, 32548..32679, 32575..32679, 32793..32888, 32803..32889, 32804..32917, 32978..33052, 32978..33049, 32980..33051, 33199..33240, 33199..33246, 33200..33247		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	34662	End	35200
GI	none	Score	214
Exons	34662..35087, 34665..34949, 34673..35200		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	34670	End	34967
GI	none	Score	178
Exons	34670..34966, 34674..34967		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	34673	End	34957
GI	none	Score	125
Exons	34673..34957, 34674..34880		

Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o8.gs	Method	GENSCAN
Start	34673	End	36655
GI	none	Score	.99

Exons	34673..36655		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o3.np	Method	AAT/NAP
Start	34676	End	37017
GI	5541680	Score	1724
Exons	34676..36506, 36564..36642, 36949..37017		
GI Descrip.	(AL096859) putative protein [Arabidopsis thaliana]		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	34958	End	36313
GI	none	Score	45
Exons	34958..35401, 34965..35210, 35256..35390, 35402..35572, 35405..35596, 35406..35597, 35420..35608, 35462..35599, 35600..35800, 35615..35809, 35816..36043, 35822..36049, 36161..36313		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	34977	End	35509
GI	none	Score	99
Exons	34977..35384, 34979..35383, 35408..35509, 35429..35476		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	35372	End	36310
GI	none	Score	82
Exons	35372..35404, 35408..35587, 35426..35545, 35430..35585, 35598..35810, 35615..35800, 35825..36037, 36086..36310		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	35405	End	36328
GI	none	Score	44
Exons	35405..35509, 35426..35599, 35507..35599, 35514..35561, 35591..35788, 35609..35812, 35646..35816, 35811..35942, 35813..35941, 35825..36076, 35853..35948, 36143..36328, 36161..36322		
Seq. No.	4123	Seq. ID	OJ990122_01.9819.C2
Gene No.	8623	Strand	-
Start	34673	End	37017
Name	OJ990122_01.9819.C2.o8.ts	Method	TBLASTX:Soybean
Start	35513	End	35746
GI	none	Score	111
Exons	35513..35746, 35544..35684		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8624	Strand	+
Start	79	End	1465
Name	OJ990122_01.9819.C3.o1.gs	Method	GENSCAN
Start	79	End	1465
GI	none	Score	.89
Exons	79..110, 1262..1465		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8625	Strand	+
Start	11222	End	11667
Name	OJ990122_01.9819.C3.o2.np	Method	AAT/NAP
Start	11222	End	11667
GI	6539570	Score	141
Exons	11222..11416, 11601..11667		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8626	Strand	+
Start	11594	End	15035
Name	OJ990122_01.9819.C3.o3.np	Method	AAT/NAP
Start	11594	End	15035
GI	6721512	Score	159
Exons	11594..11636, 13236..13511, 15002..15035		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8627	Strand	-
Start	2050	End	8966
Name	OJ990122_01.9819.C3.o2.gs	Method	GENSCAN
Start	2050	End	8501
GI	none	Score	.66
Exons	2050..2673, 2748..2808, 3932..4311, 5136..6051, 6090..6285, 7119..7300, 8134..8501		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8627	Strand	-
Start	2050	End	8966
Name	OJ990122_01.9819.C3.o1.np	Method	AAT/NAP
Start	2053	End	8966
GI	4510417	Score	422
Exons	2053..2084, 2280..2508, 2545..2640, 2748..2808, 3932..4045, 4077..4311, 5136..5303, 5334..5490, 8934..8966		
GI Descrip.	(AC006929) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8628	Strand	-
Start	11222	End	11475
Name	OJ990122_01.9819.C3.o3.gs	Method	GENSCAN
Start	11222	End	11475
GI	none	Score	.86
Exons	11222..11332, 11356..11475		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-

Start	14035	End	16839
Name	OJ990122_01.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	2025	End	2249
GI	none	Score	204
Exons	2025..2249, 2050..2247, 2057..2248		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-
Start	14035	End	16839
Name	OJ990122_01.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	2317	End	2808
GI	none	Score	49
Exons	2317..2364, 2336..2362, 2362..2469, 2362..2643, 2366..2545, 2373..2642, 2596..2643, 2740..2808, 2742..2807		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-
Start	14035	End	16839
Name	OJ990122_01.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	2560	End	4313
GI	none	Score	62
Exons	2560..2643, 2591..2641, 2742..2807, 2746..2805, 3931..4017, 3932..4015, 4099..4278, 4272..4313		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-
Start	14035	End	16839
Name	OJ990122_01.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	3897	End	5192
GI	none	Score	142
Exons	3897..4016, 3929..4030, 3930..4058, 3931..4050, 4126..4311, 4127..4312, 5133..5192, 5134..5190		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-
Start	14035	End	16839
Name	OJ990122_01.9819.C3.o4.gs	Method	GENSCAN
Start	14035	End	15815
GI	none	Score	.74
Exons	14035..14063, 14989..15160, 15459..15556, 15788..15815		

Seq. No.	4124	Seq. ID	OJ990122_01.9819.C3
Gene No.	8629	Strand	-
Start	14035	End	16839
Name	OJ990122_01.9819.C3.o4.np	Method	AAT/NAP
Start	15107	End	16839
GI	5042454	Score	167
Exons	15107..15167, 15469..15997, 16754..16839		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8630	Strand	+
Start	20543	End	23371
Name	OJ990122_01.9819.C4.o2.gs	Method	GENSCAN
Start	20543	End	23371
GI	none	Score	.62
Exons	20543..20695, 20955..20983, 21041..21184, 21727..21901,		

22391..22463, 22914..23086, 23218..23272, 23355..23371

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8631	Strand	+
Start	32126	End	32636
Name	OJ990122_01.9819.C4.o4.gs	Method	GENSCAN
Start	32126	End	32636
GI	none	Score	.59
Exons	32126..32205, 32363..32636		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8632	Strand	-
Start	4603	End	4659
Name	OJ990122_01.9819.C4.o1.gp	Method	AAT/GAP
Start	4603	End	4659
GI	2312838	Score	67
Exons	4603..4659		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8633	Strand	-
Start	9088	End	11128
Name	OJ990122_01.9819.C4.o1.np	Method	AAT/NAP
Start	9088	End	11128
GI	3024501	Score	883
Exons	9088..9570, 10964..11128		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|1370146|emb|CAA98179| (Z73951) RAB11C [Lotus japonicus]		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8634	Strand	-
Start	12063	End	13025
Name	OJ990122_01.9819.C4.o2.np	Method	AAT/NAP
Start	12063	End	13025
GI	6069646	Score	742
Exons	12063..12149, 12182..13025		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	9040	End	11129
GI	none	Score	257
Exons	9040..9564, 9094..9573, 9104..9571, 10961..11128, 10968..11129		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	9094	End	11146
GI	none	Score	45

Exons	9094..9216, 9107..9151, 9163..9573, 9197..9568, 10961..11146, 10971..11135		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	9094	End	11129
GI	none	Score	187
Exons	9094..9573, 9177..9527, 9197..9568, 10961..11128, 10962..11129		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	9190	End	9570
GI	none	Score	233
Exons	9190..9570, 9197..9553		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	10961	End	11156
GI	none	Score	262
Exons	10961..11155, 10962..11156		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	12197	End	12612
GI	none	Score	93
Exons	12197..12280, 12334..12612, 12353..12598		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.gs	Method	GENSCAN
Start	24510	End	30581
GI	none	Score	.51
Exons	24510..24608, 24637..24695, 25268..25696, 25885..26025, 26108..26164, 26487..26871, 26974..27333, 27425..27715, 27798..27872, 29897..30051, 30154..30270, 30362..30581		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	25154	End	25520
GI	none	Score	169
Exons	25154..25183, 25269..25520, 25270..25518		
Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.np	Method	AAT/NAP

Start	25254	End	25595
GI	4895197	Score	303
Exons	25254..25595		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	25269	End	25520
GI	none	Score	209
Exons	25269..25520, 25270..25518		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	25269	End	25500
GI	none	Score	203
Exons	25269..25499, 25270..25500		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	25269	End	25520
GI	none	Score	217
Exons	25269..25520, 25270..25518		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o4.np	Method	AAT/NAP
Start	25804	End	30581
GI	4539351	Score	1036
Exons	25804..25883, 26576..26871, 26974..27333, 27425..27715, 27798..27872, 29897..30051, 30154..30352, 30403..30581		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	26773	End	27610
GI	none	Score	75
Exons	26773..26871, 26804..26872, 26820..26882, 26960..27031, 26974..27144, 26977..27111, 27181..27333, 27188..27331, 27425..27610, 27429..27608		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	27124	End	27655
GI	none	Score	153
Exons	27124..27333, 27155..27346, 27425..27619, 27425..27655, 27426..27653		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	27202	End	27716
GI	none	Score	76
Exons	27202..27333, 27203..27277, 27425..27715, 27429..27608, 27645..27716		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	27644	End	27878
GI	none	Score	112
Exons	27644..27715, 27645..27716, 27652..27726, 27667..27726, 27790..27873, 27798..27878, 27798..27875		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	29894	End	30272
GI	none	Score	97
Exons	29894..29956, 29898..29978, 29957..30070, 29958..30059, 30133..30222, 30153..30272, 30155..30250		

Seq. No.	4125	Seq. ID	OJ990122_01.9819.C4
Gene No.	8635	Strand	-
Start	24510	End	30581
Name	OJ990122_01.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	29924	End	30250
GI	none	Score	70
Exons	29924..30061, 29925..30059, 30158..30250		

Seq. No.	4126	Seq. ID	OJ990122_01.9819.C7
Gene No.	8636	Strand	+
Start	751	End	943
Name	OJ990122_01.9819.C7.o1.gs	Method	GENSCAN
Start	751	End	943
GI	none	Score	.4
Exons	751..943		

Seq. No.	4127	Seq. ID	OJ990122_01.9819.C8
Gene No.	8637	Strand	-
Start	387	End	788
Name	OJ990122_01.9819.C8.o1.gs	Method	GENSCAN
Start	387	End	788
GI	none	Score	.52
Exons	387..622, 717..788		

Seq. No.	4128	Seq. ID	OJ990122_01.9819.C9
Gene No.	8638	Strand	-
Start	767	End	1450
Name	OJ990122_01.9819.C9.o1.np	Method	AAT/NAP
Start	767	End	1450

GI	3192687	Score	261
Exons	767..1271, 1370..1450		
GI Descrip.	(AF064539) gp4 [Bacteriophage N15]		

Seq. No.	4129	Seq. ID	OJ990122_01.9819.C10
Gene No.	8639	Strand	+
Start	716	End	1667
Name	OJ990122_01.9819.C10.o1.gs	Method	GENSCAN
Start	716	End	1667
GI	none	Score	.57
Exons	716..853, 1530..1667		

Seq. No.	4129	Seq. ID	OJ990122_01.9819.C10
Gene No.	8640	Strand	-
Start	682	End	742
Name	OJ990122_01.9819.C10.o1.gp	Method	AAT/GAP
Start	682	End	742
GI	7319_2.R1084	Score	92
Exons	682..742		
GI Descrip.	'2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]'		

Seq. No.	4130	Seq. ID	OJ990122_01.9819.C11
Gene No.	8641	Strand	-
Start	263	End	847
Name	OJ990122_01.9819.C11.o1.gs	Method	GENSCAN
Start	263	End	759
GI	none	Score	.48
Exons	263..759		

Seq. No.	4130	Seq. ID	OJ990122_01.9819.C11
Gene No.	8641	Strand	-
Start	263	End	847
Name	OJ990122_01.9819.C11.o1.np	Method	AAT/NAP
Start	266	End	847
GI	2126090	Score	1007
Exons	266..847		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	4131	Seq. ID	OJ990122_01.9819.C13
Gene No.	8642	Strand	-
Start	301	End	1185
Name	OJ990122_01.9819.C13.o1.np	Method	AAT/NAP
Start	301	End	1185
GI	6069646	Score	133
Exons	301..424, 457..930, 1106..1185		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4132	Seq. ID	OJ990122_01.9819.C14
Gene No.	8643	Strand	+
Start	577	End	749
Name	OJ990122_01.9819.C14.o1.gs	Method	GENSCAN
Start	577	End	749
GI	none	Score	.6
Exons	577..749		

Seq. No.	4133	Seq. ID	OJ990122_01.9819.C17
Gene No.	8644	Strand	-
Start	1	End	743
Name	OJ990122_01.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	743
GI	5103193	Score	996
Exons	1..743		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	4133	Seq. ID	OJ990122_01.9819.C17
Gene No.	8644	Strand	-
Start	1	End	743
Name	OJ990122_01.9819.C17.o1.gs	Method	GENSCAN
Start	225	End	743
GI	none	Score	.89
Exons	225..743		

Seq. No.	4133	Seq. ID	OJ990122_01.9819.C17
Gene No.	8645	Strand	
Start	703	End	850
Name	OJ990122_01.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	703	End	850
GI	none	Score	216
Exons	703..849, 704..850		

Seq. No.	4134	Seq. ID	OJ990122_01.9819.C20
Gene No.	8646	Strand	+
Start	152	End	493
Name	OJ990122_01.9819.C20.o1.gs	Method	GENSCAN
Start	152	End	493
GI	none	Score	.8
Exons	152..493		

Seq. No.	4135	Seq. ID	OJ990122_01.9819.C21
Gene No.	8647	Strand	+
Start	643	End	790
Name	OJ990122_01.9819.C21.o1.gs	Method	GENSCAN
Start	643	End	790
GI	none	Score	.56
Exons	643..790		

Seq. No.	4136	Seq. ID	OJ990122_01.9819.C22
Gene No.	8648	Strand	-
Start	222	End	477
Name	OJ990122_01.9819.C22.o1.gs	Method	GENSCAN
Start	222	End	477
GI	none	Score	.68

Exons 222..322, 324..477

Seq. No.	4137	Seq. ID	OJ990122_01.9819.C23
Gene No.	8649	Strand	+
Start	194	End	516
Name	OJ990122_01.9819.C23.o1.gs	Method	GENSCAN
Start	194	End	516
GI	none	Score	.78
Exons	194..200, 449..516		

Seq. No.	4137	Seq. ID	OJ990122_01.9819.C23
Gene No.	8650	Strand	-
Start	1	End	1030
Name	OJ990122_01.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	1030
GI	6069646	Score	425
Exons	1..636, 989..1030		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4138	Seq. ID	OJ990122_01.9819.C26
Gene No.	8651	Strand	-
Start	310	End	622
Name	OJ990122_01.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	307	End	622
GI	none	Score	132
Exons	307..438, 308..433, 310..435, 529..570, 537..563, 577..621, 581..622		

Seq. No.	4138	Seq. ID	OJ990122_01.9819.C26
Gene No.	8651	Strand	-
Start	310	End	622
Name	OJ990122_01.9819.C26.o1.gs	Method	GENSCAN
Start	310	End	619
GI	none	Score	.5
Exons	310..420, 532..619		

Seq. No.	4138	Seq. ID	OJ990122_01.9819.C26
Gene No.	8651	Strand	-
Start	310	End	622
Name	OJ990122_01.9819.C26.o1.gp	Method	AAT/GAP
Start	359	End	619
GI	44355_1.R1084	Score	293
Exons	359..438, 532..619		
GI Descrip.	'3236259 3.0e-31 (AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana] >gi_4895207_gb_AAD32794.1_AC007661_31 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	4139	Seq. ID	OJ990122_01.9819.C29
Gene No.	8652	Strand	-
Start	157	End	217
Name	OJ990122_01.9819.C29.o1.gs	Method	GENSCAN
Start	157	End	217

GI	none	Score	.76
Exons	157..217		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.np	Method	AAT/NAP
Start	101	End	992
GI	3236259	Score	396
Exons	101..358, 478..992		
GI Descrip.	(AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	263	End	618
GI	none	Score	73
Exons	263..355, 264..356, 478..618, 479..616, 481..618		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	263	End	694
GI	none	Score	48
Exons	263..346, 263..358, 267..353, 438..683, 478..693, 482..694		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	263	End	712
GI	none	Score	77
Exons	263..355, 264..356, 264..368, 478..675, 478..711, 479..712		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.gp	Method	AAT/GAP
Start	286	End	716
GI	57518_1.R1084	Score	558
Exons	286..358, 478..716		
GI Descrip.	'3236259 8.0e-53 (AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana] >gi_4895207_gb_AAD32794.1_AC007661_31 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	4140	Seq. ID	OJ990122_01.9819.C30
Gene No.	8653	Strand	-
Start	101	End	992
Name	OJ990122_01.9819.C30.o1.gs	Method	GENSCAN
Start	478	End	663
GI	none	Score	.77
Exons	478..663		

Seq. No.	4141	Seq. ID	OJ990122_01.9819.C31

Gene No.	8654	Strand	-
Start	248	End	466
Name	OJ990122_01.9819.C31.o1.gp	Method	AAT/GAP
Start	248	End	466
GI	7319_2.R1084	Score	176
Exons	248..326, 426..466		
GI Descrip.	'2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]'		

Seq. No.	4141	Seq. ID	OJ990122_01.9819.C31
Gene No.	8654	Strand	-
Start	248	End	466
Name	OJ990122_01.9819.C31.o1.gs	Method	GENSCAN
Start	248	End	466
GI	none	Score	.83
Exons	248..326, 426..466		

Seq. No.	4142	Seq. ID	OJ990122_01.9819.C45
Gene No.	8655	Strand	-
Start	1	End	118
Name	OJ990122_01.9819.C45.o1.np	Method	AAT/NAP
Start	1	End	118
GI	1657851	Score	74
Exons	1..118		
GI Descrip.	(U73214) cold acclimation protein WCOR518 [Triticum aestivum]		

Seq. No.	4143	Seq. ID	OJ990122_01.9819.C48
Gene No.	8656	Strand	-
Start	1	End	592
Name	OJ990122_01.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	592
GI	4539351	Score	326
Exons	1..160, 263..592		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	4143	Seq. ID	OJ990122_01.9819.C48
Gene No.	8656	Strand	-
Start	1	End	592
Name	OJ990122_01.9819.C48.o1.gs	Method	GENSCAN
Start	31	End	556
GI	none	Score	.97
Exons	31..160, 263..556		

Seq. No.	4143	Seq. ID	OJ990122_01.9819.C48
Gene No.	8656	Strand	-
Start	1	End	592
Name	OJ990122_01.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	62	End	592
GI	none	Score	75
Exons	62..160, 93..161, 100..162, 109..171, 249..320, 262..315, 263..433, 266..400, 470..592, 477..590		

Seq. No.	4143	Seq. ID	OJ990122_01.9819.C48
Gene No.	8656	Strand	-
Start	1	End	592
Name	OJ990122_01.9819.C48.o1.ts	Method	TBLASTX:Soybean
Start	62	End	580

GI	none	Score	64
Exons	62..160, 93..161, 263..331, 267..329, 377..418, 464..580		

Seq. No.	4144	Seq. ID	OJ990122_01.9819.C51
Gene No.	8657	Strand	+
Start	445	End	734
Name	OJ990122_01.9819.C51.o1.gs	Method	GENSCAN
Start	445	End	734
GI	none	Score	.4
Exons	445..500, 578..734		

Seq. No.	4145	Seq. ID	OJ990402_07.9819.C1
Gene No.	8658	Strand	+
Start	583	End	657
Name	OJ990402_07.9819.C1.o1.gs	Method	GENSCAN
Start	583	End	657
GI	none	Score	.6
Exons	583..657		

Seq. No.	4146	Seq. ID	OJ990402_07.9819.C2
Gene No.	8659	Strand	-
Start	86	End	512
Name	OJ990402_07.9819.C2.o1.gs	Method	GENSCAN
Start	86	End	512
GI	none	Score	.52
Exons	86..219, 401..512		

Seq. No.	4147	Seq. ID	OJ990402_07.9819.C3
Gene No.	8660	Strand	-
Start	204	End	713
Name	OJ990402_07.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	88	End	607
GI	none	Score	192
Exons	88..360, 89..361, 90..392, 339..575, 360..575, 554..607		

Seq. No.	4147	Seq. ID	OJ990402_07.9819.C3
Gene No.	8660	Strand	-
Start	204	End	713
Name	OJ990402_07.9819.C3.o1.gs	Method	GENSCAN
Start	204	End	713
GI	none	Score	.86
Exons	204..713		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8661	Strand	+
Start	20931	End	22262
Name	OJ990402_07.9819.C4.o4.gs	Method	GENSCAN
Start	20931	End	22262
GI	none	Score	.86
Exons	20931..21040, 21698..22262		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8662	Strand	-
Start	1280	End	9802
Name	OJ990402_07.9819.C4.o1.gs	Method	GENSCAN
Start	1280	End	9802
GI	none	Score	.51

Exons	1280..1517, 1637..1668, 3712..3934, 3996..4153, 6261..6375, 7536..7603, 7948..8078, 8825..9047, 9129..9194, 9674..9802		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8662	Strand	-
Start	1280	End	9802
Name	OJ990402_07.9819.C4.o2.gp	Method	AAT/GAP
Start	6176	End	6713
GI	LIB3433-054-P1-K1-F8	Score	802
Exons	6176..6350, 6462..6713		
GI Descrip.	'1946372 3.0e-35 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8662	Strand	-
Start	1280	End	9802
Name	OJ990402_07.9819.C4.o3.gp	Method	AAT/GAP
Start	7317	End	9229
GI	18211_1.R1084	Score	1291
Exons	7317..7462, 7536..7603, 7948..8132, 8825..9047, 9129..9229		
GI Descrip.	'1946372 2.0e-18 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	887	End	1238
GI	none	Score	56
Exons	887..931, 888..1001, 892..936, 945..1016, 946..1017, 958..1053, 972..1031, 996..1031, 1021..1152, 1034..1174, 1120..1173, 1133..1177, 1178..1237, 1179..1238		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	6021	End	8942
GI	none	Score	44
Exons	6021..6071, 6041..6070, 6101..6223, 6105..6224, 6108..6224, 6112..6225, 6118..6234, 6119..6232, 6210..6353, 6213..6353, 6214..6354, 6224..6358, 6450..6728, 6451..6729, 6460..6741, 6461..6730, 6809..6970, 6810..6947, 7327..7461, 7331..7459, 7337..7465, 7536..7604, 7538..7606, 7538..7603, 7936..8133, 7949..8134, 8016..8147, 8770..8931, 8800..8931, 8826..8942		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	6465	End	6970
GI	none	Score	80
Exons	6465..6725, 6473..6619, 6478..6726, 6806..6970, 6807..6944, 6824..6970		
Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-

Start	17326	End	19318
Name	OJ990402_07.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	6480	End	6651
GI	none	Score	116
Exons	6480..6650, 6508..6651		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	6498	End	7008
GI	none	Score	327
Exons	6498..6728, 6499..6729, 6506..6730, 6538..6738, 6809..6988, 6812..6919, 6814..7008, 6828..6947		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	7936	End	8924
GI	none	Score	108
Exons	7936..8133, 7945..8118, 7952..8134, 8800..8919, 8805..8924		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	7936	End	8163
GI	none	Score	201
Exons	7936..8163, 7958..8137		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o4.gp	Method	AAT/GAP
Start	17326	End	17650
GI	3769203	Score	603
Exons	17326..17650		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o3.gs	Method	GENSCAN
Start	17549	End	19318
GI	none	Score	.88
Exons	17549..19318		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	17549	End	17815
GI	none	Score	93
Exons	17549..17815, 17631..17789		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-

Start	17326	End	19318
Name	OJ990402_07.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	17549	End	17866
GI	none	Score	62
Exons	17549..17866, 17631..17672		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	17676	End	18056
GI	none	Score	61
Exons	17676..17837, 17684..18034, 17725..17844, 17892..18056, 17892..18050		

Seq. No.	4148	Seq. ID	OJ990402_07.9819.C4
Gene No.	8663	Strand	-
Start	17326	End	19318
Name	OJ990402_07.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	17816	End	18957
GI	none	Score	234
Exons	17816..17947, 17954..18295, 17954..18739, 17973..18623, 17986..18708, 18686..18922, 18707..18922, 18901..18954, 18901..18957		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8664	Strand	+
Start	7480	End	9304
Name	OJ990402_07.9819.C5.o3.gs	Method	GENSCAN
Start	7480	End	8873
GI	none	Score	.99
Exons	7480..7489, 8186..8687, 8792..8873		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8664	Strand	+
Start	7480	End	9304
Name	OJ990402_07.9819.C5.o2.np	Method	AAT/NAP
Start	8176	End	9112
GI	2500353	Score	1079
Exons	8176..8687, 8792..8873, 9050..9112		
GI Descrip.	60S RIBOSOMAL PROTEIN L10-3 (QM/R22) gi|1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8664	Strand	+
Start	7480	End	9304
Name	OJ990402_07.9819.C5.o3.gp	Method	AAT/GAP
Start	8406	End	9304
GI	301_1.R1084	Score	1156
Exons	8406..8687, 8792..8873, 9050..9304		
GI Descrip.	'2500353/sp|Q40649|R103_ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8665	Strand	-
Start	1387	End	5860
Name	OJ990402_07.9819.C5.o1.gp	Method	AAT/GAP
Start	1387	End	2036
GI	20568_1.R1084	Score	848
Exons	1387..1853, 1977..2036		
GI Descrip.	'5732701/gb|AAD49231.1|AF159386_1 3.0e-18 (AF159386) thioredoxin-like protein [Secale cereale]'		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8665	Strand	-
Start	1387	End	5860
Name	OJ990402_07.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	1706	End	3726
GI	none	Score	112
Exons	1706..1876, 1708..1854, 1719..1880, 1720..1884, 2454..2579, 2456..2578, 3347..3472, 3367..3480, 3368..3496, 3586..3726, 3591..3659, 3593..3670		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8665	Strand	-
Start	1387	End	5860
Name	OJ990402_07.9819.C5.o2.gs	Method	GENSCAN
Start	1716	End	5860
GI	none	Score	.68
Exons	1716..1853, 2456..2578, 3370..3486, 4453..4583, 5797..5860		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8665	Strand	-
Start	1387	End	5860
Name	OJ990402_07.9819.C5.o1.np	Method	AAT/NAP
Start	1719	End	4658
GI	1085953	Score	571
Exons	1719..1853, 2456..2578, 3370..3483, 3594..3714, 4297..4392, 4550..4658		
GI Descrip.	hypothetical protein S2 - Phalaris coerulescens		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8665	Strand	-
Start	1387	End	5860
Name	OJ990402_07.9819.C5.o2.gp	Method	AAT/GAP
Start	2164	End	4529
GI	54795_1.R1084	Score	986
Exons	2164..2223, 2440..2578, 3369..3486, 3594..3662, 4293..4529		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8666	Strand	
Start	8177	End	9111
Name	OJ990402_07.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	8177	End	9108
GI	none	Score	135
Exons	8177..8341, 8184..8576, 8187..8687, 8188..8688, 8788..8865, 8790..8873, 8792..8875, 8793..8876, 9049..9108		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8666	Strand	
Start	8177	End	9111
Name	OJ990402_07.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	8184	End	8873
GI	none	Score	326
Exons	8184..8576, 8187..8687, 8188..8688, 8792..8872, 8793..8873		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8666	Strand	
Start	8177	End	9111
Name	OJ990402_07.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	8184	End	8876
GI	none	Score	289
Exons	8184..8576, 8187..8687, 8188..8688, 8303..8701, 8792..8875, 8793..8876		

Seq. No.	4149	Seq. ID	OJ990402_07.9819.C5
Gene No.	8666	Strand	
Start	8177	End	9111
Name	OJ990402_07.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	8290	End	9111
GI	none	Score	672
Exons	8290..8688, 8292..8687, 8390..8689, 8788..8865, 8792..8875, 8793..8876, 9047..9094, 9049..9111		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.gs	Method	GENSCAN
Start	136	End	910
GI	none	Score	.9
Exons	136..631, 763..910		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.np	Method	AAT/NAP
Start	136	End	1826
GI	6539558	Score	934
Exons	136..903, 1805..1826		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	145	End	570
GI	none	Score	617
Exons	145..279, 147..569, 159..569, 358..570		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.ts	Method	TBLASTX:Soybean

Start	174	End	664
GI	none	Score	292
Exons	174..482, 179..466, 507..653, 524..664		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	189	End	629
GI	none	Score	166
Exons	189..485, 507..629		

Seq. No.	4150	Seq. ID	OJ990402_07.9819.C6
Gene No.	8667	Strand	+
Start	136	End	1826
Name	OJ990402_07.9819.C6.o1.gp	Method	AAT/GAP
Start	921	End	1588
GI	3766626	Score	249
Exons	921..990, 1432..1588		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	4151	Seq. ID	OJ990402_07.9819.C7
Gene No.	8668	Strand	-
Start	1488	End	1570
Name	OJ990402_07.9819.C7.o1.gp	Method	AAT/GAP
Start	1488	End	1570
GI	5455354	Score	113
Exons	1488..1570		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	4152	Seq. ID	OJ990402_07.9819.C8
Gene No.	8669	Strand	+
Start	309	End	2289
Name	OJ990402_07.9819.C8.o1.gs	Method	GENSCAN
Start	309	End	2289
GI	none	Score	.92
Exons	309..408, 1702..2289		

Seq. No.	4152	Seq. ID	OJ990402_07.9819.C8
Gene No.	8670	Strand	+
Start	8355	End	8888
Name	OJ990402_07.9819.C8.o3.gs	Method	GENSCAN
Start	8355	End	8888
GI	none	Score	.52
Exons	8355..8888		

Seq. No.	4152	Seq. ID	OJ990402_07.9819.C8
Gene No.	8671	Strand	-
Start	3192	End	5945
Name	OJ990402_07.9819.C8.o2.gs	Method	GENSCAN
Start	3192	End	5945
GI	none	Score	.57
Exons	3192..3231, 3342..3522, 3827..3950, 4578..4725, 4885..4907, 5037..5063, 5500..5660, 5897..5945		

Seq. No.	4152	Seq. ID	OJ990402_07.9819.C8
Gene No.	8671	Strand	-
Start	3192	End	5945
Name	OJ990402_07.9819.C8.o1.np	Method	AAT/NAP
Start	3274	End	3605
GI	6539588	Score	209
Exons	3274..3605		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	4153	Seq. ID	OJ990402_07.9819.C9
Gene No.	8672	Strand	+
Start	743	End	3408
Name	OJ990402_07.9819.C9.o1.gs	Method	GENSCAN
Start	743	End	3408
GI	none	Score	.61
Exons	743..763, 790..823, 1011..1183, 2825..2973, 2982..3408		

Seq. No.	4154	Seq. ID	OJ990402_07.9819.C10
Gene No.	8673	Strand	-
Start	781	End	1671
Name	OJ990402_07.9819.C10.o1.gs	Method	GENSCAN
Start	781	End	1671
GI	none	Score	.84
Exons	781..1479, 1600..1671		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	327	End	1029
GI	none	Score	44
Exons	327..377, 347..376, 411..530, 414..530, 418..531, 424..540, 425..538, 516..659, 519..659, 520..660, 529..660, 530..664, 756..953, 757..948, 764..958, 767..952, 970..1029		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.gp	Method	AAT/GAP
Start	482	End	1016
GI	LIB3433-054-P1-K1-F8	Score	699
Exons	482..656, 768..1016		
GI Descrip.	'1946372 3.0e-35 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.np	Method	AAT/NAP
Start	531	End	1064
GI	1946372	Score	193
Exons	531..622, 743..1064		
GI Descrip.	(U93215) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-

Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.gs	Method	GENSCAN
Start	567	End	681
GI	none	Score	.5
Exons	567..681		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	771	End	953
GI	none	Score	77
Exons	771..953, 779..925, 784..945		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	786	End	954
GI	none	Score	98
Exons	786..953, 814..954		

Seq. No.	4155	Seq. ID	OJ990402_07.9819.C11
Gene No.	8674	Strand	-
Start	482	End	1064
Name	OJ990402_07.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	804	End	1029
GI	none	Score	162
Exons	804..953, 805..948, 812..973, 813..971, 970..1029		

Seq. No.	4156	Seq. ID	OJ990402_07.9819.C12
Gene No.	8675	Strand	+
Start	195	End	332
Name	OJ990402_07.9819.C12.o1.gs	Method	GENSCAN
Start	195	End	332
GI	none	Score	.47
Exons	195..332		

Seq. No.	4157	Seq. ID	OJ990402_07.9819.C13
Gene No.	8676	Strand	+
Start	538	End	2528
Name	OJ990402_07.9819.C13.o1.gs	Method	GENSCAN
Start	538	End	2528
GI	none	Score	.45
Exons	538..642, 1563..1685, 1990..2173, 2383..2528		

Seq. No.	4157	Seq. ID	OJ990402_07.9819.C13
Gene No.	8676	Strand	+
Start	538	End	2528
Name	OJ990402_07.9819.C13.o1.gp	Method	AAT/GAP
Start	1138	End	1247
GI	uC-osflcyp088b12b1	Score	153
Exons	1138..1247		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4157	Seq. ID	OJ990402_07.9819.C13

Gene No.	8677	Strand	-
Start	416	End	533
Name	OJ990402_07.9819.C13.o1.np	Method	AAT/NAP
Start	416	End	533
GI	4680183	Score	142
Exons	416..533		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8678	Strand	+
Start	207	End	317
Name	OJ990402_07.9819.C14.o1.gp	Method	AAT/GAP
Start	207	End	317
GI	uC-osflcyp088b12b1	Score	154
Exons	207..317		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8679	Strand	+
Start	1005	End	8987
Name	OJ990402_07.9819.C14.o1.gs	Method	GENSCAN
Start	1005	End	7598
GI	none	Score	.51
Exons	1005..1082, 1162..1287, 1304..1569, 1940..2016, 3111..3300, 3721..3800, 3894..3987, 4547..4624, 5092..5157, 5249..5334, 7341..7598		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8679	Strand	+
Start	1005	End	8987
Name	OJ990402_07.9819.C14.o3.np	Method	AAT/NAP
Start	4937	End	8987
GI	4680183	Score	88
Exons	4937..4982, 8898..8987		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8679	Strand	+
Start	1005	End	8987
Name	OJ990402_07.9819.C14.o2.gp	Method	AAT/GAP
Start	5930	End	6010
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	5930..6010		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8679	Strand	+
Start	1005	End	8987
Name	OJ990402_07.9819.C14.o3.gp	Method	AAT/GAP
Start	7134	End	7242
GI	uC-osflcyp088b12b1	Score	150
Exons	7134..7242		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8680	Strand	-
Start	3071	End	10337
Name	OJ990402_07.9819.C14.o1.np	Method	AAT/NAP
Start	3071	End	9953
GI	5295955	Score	480
Exons	3071..3145, 4408..4459, 4619..5054, 5094..5173, 5252..5518, 5578..5693, 6440..6600, 7354..7653, 9776..9953		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8680	Strand	-
Start	3071	End	10337
Name	OJ990402_07.9819.C14.o2.np	Method	AAT/NAP
Start	6804	End	8865
GI	6721561	Score	93
Exons	6804..6826, 8780..8865		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8680	Strand	-
Start	3071	End	10337
Name	OJ990402_07.9819.C14.o2.gs	Method	GENSCAN
Start	8235	End	8865
GI	none	Score	.94
Exons	8235..8295, 8774..8865		

Seq. No.	4158	Seq. ID	OJ990402_07.9819.C14
Gene No.	8680	Strand	-
Start	3071	End	10337
Name	OJ990402_07.9819.C14.o3.gs	Method	GENSCAN
Start	9688	End	10337
GI	none	Score	.84
Exons	9688..9887, 9993..10058, 10151..10337		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8681	Strand	+
Start	3851	End	6794
Name	OJ990402_07.9819.C15.o1.np	Method	AAT/NAP
Start	3851	End	6791
GI	6691716	Score	2299
Exons	3851..4735, 4933..5108, 5190..5457, 5634..5828, 5904..6007, 6158..6270, 6346..6791		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8681	Strand	+
Start	3851	End	6794
Name	OJ990402_07.9819.C15.o2.gs	Method	GENSCAN
Start	3851	End	6794

GI	none	Score	.7
Exons	3851..4735, 4933..5108, 5190..5566, 5641..5828, 5904..6093, 6166..6270, 6346..6794		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8682	Strand	-
Start	404	End	2871
Name	OJ990402_07.9819.C15.o1.gs	Method	GENSCAN
Start	404	End	2871
GI	none	Score	.69
Exons	404..817, 823..1074, 1712..1853, 2320..2408, 2791..2871		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o8.tw	Method	TBLASTX:Wheat
Start	3971	End	4261
GI	none	Score	211
Exons	3971..4261		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o3.gs	Method	GENSCAN
Start	7110	End	10581
GI	none	Score	.83
Exons	7110..8308, 8409..10272, 10408..10581		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o2.np	Method	AAT/NAP
Start	7113	End	10209
GI	5902445	Score	5309
Exons	7113..10209		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o5.tw	Method	TBLASTX:Wheat
Start	7122	End	7736
GI	none	Score	62
Exons	7122..7259, 7126..7248, 7245..7403, 7458..7736, 7474..7575, 7627..7716		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	7161	End	7394
GI	none	Score	102
Exons	7161..7262, 7162..7263, 7242..7394, 7243..7293		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672

Name	OJ990402_07.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	7506	End	7779
GI	none	Score	55
Exons	7506..7592, 7602..7685, 7615..7689, 7680..7778, 7681..7779		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	7851	End	8238
GI	none	Score	107
Exons	7851..8036, 7851..8237, 7927..8238		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	7881	End	8244
GI	none	Score	67
Exons	7881..7928, 7882..7929, 7909..8235, 7920..8243, 7936..8244		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	8557	End	8979
GI	none	Score	277
Exons	8557..8979, 8567..8971		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	8600	End	8988
GI	none	Score	162
Exons	8600..8980, 8602..8844, 8884..8988		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	8653	End	8926
GI	none	Score	68
Exons	8653..8751, 8654..8719, 8755..8925, 8756..8926		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o6.tw	Method	TBLASTX:Wheat
Start	8979	End	9264
GI	none	Score	102
Exons	8979..9077, 8983..9264, 8995..9255		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o3.tm	Method	TBLASTX:Maize

Start	9103	End	9547
GI	none	Score	112
Exons	9103..9129, 9127..9270, 9292..9522, 9292..9546, 9293..9547		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	9214	End	9615
GI	none	Score	58
Exons	9214..9615, 9248..9418, 9455..9598		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	9269	End	9693
GI	none	Score	301
Exons	9269..9649, 9269..9628, 9274..9693		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	9778	End	10134
GI	none	Score	88
Exons	9778..10071, 9778..10134, 9788..10093		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	9808	End	10264
GI	none	Score	249
Exons	9808..10263, 9809..10264		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	9859	End	10224
GI	none	Score	138
Exons	9859..9993, 10000..10224		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o7.tw	Method	TBLASTX:Wheat
Start	10264	End	10672
GI	none	Score	114
Exons	10264..10437, 10484..10672, 10486..10671		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o3.np	Method	AAT/NAP
Start	10276	End	10672

GI	5902444	Score	606
Exons	10276..10672		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4159	Seq. ID	OJ990402_07.9819.C15
Gene No.	8683	Strand	-
Start	7110	End	10672
Name	OJ990402_07.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	10486	End	10633
GI	none	Score	127
Exons	10486..10632, 10487..10633		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8684	Strand	+
Start	8023	End	10801
Name	OJ990402_07.9819.C17.o2.gs	Method	GENSCAN
Start	8023	End	10801
GI	none	Score	.85
Exons	8023..8166, 8275..8337, 8444..8499, 8937..9030, 9115..9175, 9922..10003, 10112..10167, 10355..10418, 10738..10801		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8685	Strand	+
Start	10736	End	11100
Name	OJ990402_07.9819.C17.o2.gp	Method	AAT/GAP
Start	10736	End	11100
GI	2799230	Score	612
Exons	10736..11100		
GI Descrip.	1698774/gb|U70311|CVU70311 3.0e-09 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8686	Strand	+
Start	13304	End	13602
Name	OJ990402_07.9819.C17.o4.gp	Method	AAT/GAP
Start	13304	End	13602
GI	6025013	Score	502
Exons	13304..13602		
GI Descrip.	5257264/dbj|BAA81763.1| 4.0e-40 (AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8687	Strand	+
Start	16167	End	17401
Name	OJ990402_07.9819.C17.o4.gs	Method	GENSCAN
Start	16167	End	17401
GI	none	Score	.69
Exons	16167..16169, 16690..16862, 16867..16940, 17051..17131, 17283..17401		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8688	Strand	-
Start	634	End	6068
Name	OJ990402_07.9819.C17.o1.gs	Method	GENSCAN

Start	634	End	5868
GI	none	Score	.71
Exons	634..646, 888..1061, 1476..1595, 2387..2512, 2666..2775, 3048..3188, 3275..3358, 3608..3681, 4048..4102, 4850..4954, 5059..5127, 5794..5868		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8688	Strand	-
Start	634	End	6068
Name	OJ990402_07.9819.C17.o1.gp	Method	AAT/GAP
Start	2132	End	6068
GI	11260_1.R1084	Score	2296
Exons	2132..2512, 2666..2775, 2861..2926, 3048..3188, 3275..3358, 3608..3681, 4048..4102, 4850..4954, 5059..5127, 5794..5886, 5979..6068		
GI Descrip.	'6016697/gb|AAF01524.1|AC009991_20 1.0e-74 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8688	Strand	-
Start	634	End	6068
Name	OJ990402_07.9819.C17.o1.np	Method	AAT/NAP
Start	2347	End	3643
GI	6016697	Score	613
Exons	2347..2512, 2666..2775, 2861..2926, 3048..3188, 3275..3358, 3608..3643		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	2202	End	6093
GI	none	Score	38
Exons	2202..2246, 2338..2511, 2339..2512, 2660..2779, 2661..2777, 2662..2778, 2861..2932, 2862..2927, 3049..3189, 3058..3183, 3063..3221, 3069..3230, 3248..3391, 3272..3370, 3604..3678, 3605..3682, 3606..3683, 3607..3684, 4044..4103, 4046..4102, 4850..4954, 4851..4928, 5055..5129, 5057..5137, 5059..5139, 5789..5887, 5794..5886, 5979..6002, 6055..6093		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	2336	End	3087
GI	none	Score	114
Exons	2336..2446, 2337..2414, 2344..2448, 2425..2511, 2450..2512, 2660..2776, 2662..2778, 2662..2778, 2861..2932, 2868..2927, 2869..2928, 3052..3087		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o5.ts	Method	TBLASTX:Soybean
Start	4844	End	5149
GI	none	Score	102

Exons	4844..4954, 4850..4954, 4857..4955, 4858..4965, 5055..5138, 5057..5149, 5059..5139		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	7989	End	10861
GI	none	Score	96
Exons	7989..8012, 8116..8166, 8121..8171, 8273..8338, 8275..8340, 8275..8340, 8441..8500, 8443..8499, 8929..9042, 8937..9029, 8938..9030, 9114..9167, 9114..9170, 9115..9171, 9116..9211, 9118..9189, 9923..10003, 9924..10004, 9934..10011, 10111..10167, 10112..10171, 10113..10169, 10351..10425, 10353..10427, 10730..10861, 10735..10851		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o6.ts	Method	TBLASTX:Soybean
Start	8116	End	9168
GI	none	Score	79
Exons	8116..8163, 8275..8340, 8441..8500, 8443..8499, 8905..9030, 8938..9030, 9111..9167, 9115..9168, 9117..9167		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.tw	Method	TBLASTX:Wheat
Start	8934	End	10427
GI	none	Score	114
Exons	8934..9029, 8937..9029, 8938..9030, 9114..9167, 9115..9168, 9116..9178, 9117..9170, 9890..10003, 9924..10004, 9924..10010, 9928..10011, 10110..10166, 10112..10168, 10113..10169, 10351..10425, 10353..10427		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.gp	Method	AAT/GAP
Start	12487	End	13093
GI	86580_1.R1084	Score	1185
Exons	12487..13093		
GI Descrip.	'5823576/emb|CAB53758.1| 3.0e-43 (AL049730) putative protein [Arabidopsis thaliana]'		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	12808	End	14754
GI	none	Score	368
Exons	12808..13248, 12815..13249, 13252..14190, 13254..13577, 13265..14173, 14164..14754, 14192..14740		
Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-

Start	12811	End	15105
Name	OJ990402_07.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	12811	End	13689
GI	none	Score	49
Exons	12811..12900, 12829..12894, 12901..13689, 12902..13684, 13012..13689		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.gs	Method	GENSCAN
Start	12811	End	14769
GI	none	Score	.97
Exons	12811..14561, 14577..14769		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o2.np	Method	AAT/NAP
Start	12814	End	15105
GI	5257264	Score	2705
Exons	12814..14709, 15034..15105		
GI Descrip.	(AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	12853	End	13777
GI	none	Score	46
Exons	12853..12897, 12976..13044, 13009..13044, 13027..13449, 13045..13470, 13049..13468, 13061..13477, 13137..13481, 13453..13773, 13457..13777, 13457..13774		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	13397	End	13741
GI	none	Score	511
Exons	13397..13741, 13399..13740		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	13699	End	14191
GI	none	Score	280
Exons	13699..14028, 13700..14002, 13825..14028, 13932..14030, 14060..14191, 14065..14175, 14075..14188		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o5.gp	Method	AAT/GAP

Start	13706	End	14114
GI	428450	Score	805
Exons	13706..14114		
GI Descrip.	5257264/dbj|BAA81763.1| 2.0e-56 (AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	13786	End	14037
GI	none	Score	97
Exons	13786..14034, 13787..14020, 13828..14037		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	13942	End	14344
GI	none	Score	596
Exons	13942..14343, 13943..14344, 13943..14344		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	14332	End	14553
GI	none	Score	87
Exons	14332..14403, 14332..14553, 14336..14551		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o3.tc	Method	TBLASTX:Cress
Start	14356	End	14706
GI	none	Score	141
Exons	14356..14568, 14569..14706		

Seq. No.	4160	Seq. ID	OJ990402_07.9819.C17
Gene No.	8689	Strand	-
Start	12811	End	15105
Name	OJ990402_07.9819.C17.o7.ts	Method	TBLASTX:Soybean
Start	14569	End	14739
GI	none	Score	111
Exons	14569..14739, 14570..14704		

Seq. No.	4161	Seq. ID	OJ990402_07.9819.C18
Gene No.	8690	Strand	-
Start	1	End	823
Name	OJ990402_07.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	823
GI	5295955	Score	174
Exons	1..165, 708..823		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4161	Seq. ID	OJ990402_07.9819.C18
Gene No.	8690	Strand	-
Start	1	End	823
Name	OJ990402_07.9819.C18.o1.gs	Method	GENSCAN
Start	549	End	728
GI	none	Score	.57
Exons	549..728		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8691	Strand	+
Start	247	End	501
Name	OJ990402_07.9819.C21.o1.gs	Method	GENSCAN
Start	247	End	501
GI	none	Score	.69
Exons	247..501		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8692	Strand	+
Start	909	End	1248
Name	OJ990402_07.9819.C21.o1.gp	Method	AAT/GAP
Start	909	End	1248
GI	uC-osflcyp117e01a1	Score	672
Exons	909..1248		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8693	Strand	-
Start	794	End	4748
Name	OJ990402_07.9819.C21.o2.gs	Method	GENSCAN
Start	794	End	4748
GI	none	Score	.5
Exons	794..860, 2197..2320, 2942..3200, 3398..3686, 3775..4085, 4586..4613, 4670..4748		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8693	Strand	-
Start	794	End	4748
Name	OJ990402_07.9819.C21.o1.np	Method	AAT/NAP
Start	1194	End	4046
GI	2623295	Score	977
Exons	1194..1281, 2197..2320, 2942..3200, 3398..4046		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8694	Strand	-
Start	5803	End	5916
Name	OJ990402_07.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	1188	End	3745
GI	none	Score	78
Exons	1188..1283, 2211..2321, 2236..2325, 3074..3196, 3087..3200, 3094..3201, 3392..3745, 3393..3599		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8694	Strand	-

Start	5803	End	5916
Name	OJ990402_07.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	1191	End	4025
GI	none	Score	86
Exons	1191..1283, 2211..2327, 2236..2325, 3087..3200, 3088..3201, 3392..3733, 3396..3722, 3729..3842, 3729..3851, 3826..4011, 3840..4025		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8694	Strand	-
Start	5803	End	5916
Name	OJ990402_07.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	3632	End	4145
GI	none	Score	39
Exons	3632..3733, 3656..3733, 3729..3908, 3730..3888, 3903..4058, 4122..4145		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8694	Strand	-
Start	5803	End	5916
Name	OJ990402_07.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	3798	End	4028
GI	none	Score	59
Exons	3798..3899, 3798..3905, 3894..4007, 3894..4028		

Seq. No.	4162	Seq. ID	OJ990402_07.9819.C21
Gene No.	8694	Strand	-
Start	5803	End	5916
Name	OJ990402_07.9819.C21.o2.gp	Method	AAT/GAP
Start	5803	End	5916
GI	301_1.R1084	Score	202
Exons	5803..5916		
GI Descrip.	'2500353/sp|Q40649|R103_ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		

Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.gp	Method	AAT/GAP
Start	1	End	425
GI	uC-osflcyp080c10b1	Score	778
Exons	1..425		
GI Descrip.	'2500353/sp|Q40649|R103_ORYSA 1.0e-86 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		

Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	435
GI	2500353	Score	686

Exons	1..435		
GI Descrip.	60S RIBOSOMAL PROTEIN L10-3 (QM/R22) gi|1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]		
Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	3	End	427
GI	none	Score	131
Exons	3..116, 14..121, 14..115, 16..177, 16..117, 66..287, 115..423, 116..424, 119..427		
Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	3	End	321
GI	none	Score	146
Exons	3..116, 10..117, 11..115, 60..281, 62..319, 115..321, 116..319		
Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	6	End	434
GI	none	Score	143
Exons	6..116, 14..115, 66..272, 115..423, 116..424, 119..424, 121..432, 270..434		
Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	14	End	427
GI	none	Score	93
Exons	14..115, 15..116, 115..423, 116..424, 119..427, 121..426		
Seq. No.	4163	Seq. ID	OJ990402_07.9819.C22
Gene No.	8695	Strand	-
Start	1	End	435
Name	OJ990402_07.9819.C22.o1.gs	Method	GENSCAN
Start	91	End	425
GI	none	Score	.8
Exons	91..425		
Seq. No.	4164	Seq. ID	OJ990402_07.9819.C23
Gene No.	8696	Strand	+
Start	318	End	482
Name	OJ990402_07.9819.C23.o1.gs	Method	GENSCAN
Start	318	End	482
GI	none	Score	.68
Exons	318..482		
Seq. No.	4165	Seq. ID	OJ990402_07.9819.C24

Gene No.	8697	Strand	-
Start	398	End	627
Name	OJ990402_07.9819.C24.o1.gs	Method	GENSCAN
Start	398	End	627
GI	none	Score	.55
Exons	398..545, 568..627		

Seq. No.	4166	Seq. ID	OJ990402_07.9819.C25
Gene No.	8698	Strand	+
Start	264	End	281
Name	OJ990402_07.9819.C25.o1.gs	Method	GENSCAN
Start	264	End	281
GI	none	Score	.48
Exons	264..281		

Seq. No.	4167	Seq. ID	OJ990402_07.9819.C26
Gene No.	8699	Strand	-
Start	806	End	1116
Name	OJ990402_07.9819.C26.o1.gs	Method	GENSCAN
Start	806	End	1116
GI	none	Score	.4
Exons	806..1116		

Seq. No.	4168	Seq. ID	OJ990402_07.9819.C27
Gene No.	8700	Strand	-
Start	593	End	615
Name	OJ990402_07.9819.C27.o1.gs	Method	GENSCAN
Start	593	End	615
GI	none	Score	.42
Exons	593..615		

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30
Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	127	End	639
GI	none	Score	36
Exons	127..150, 214..369, 364..639,	384..563,	541..615

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30
Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o1.gs	Method	GENSCAN
Start	187	End	648
GI	none	Score	.81
Exons	187..648		

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30
Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o1.np	Method	AAT/NAP
Start	226	End	763
GI	2623295	Score	451
Exons	226..763		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30

Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	244	End	474
GI	none	Score	129
Exons	244..378, 265..378, 367..474,	373..474	

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30
Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	247	End	750
GI	none	Score	181
Exons	247..423, 261..446, 421..750,	549..740	

Seq. No.	4169	Seq. ID	OJ990402_07.9819.C30
Gene No.	8701	Strand	+
Start	187	End	763
Name	OJ990402_07.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	483	End	717
GI	none	Score	230
Exons	483..716, 484..717		

Seq. No.	4170	Seq. ID	OJ990402_07.9819.C32
Gene No.	8702	Strand	+
Start	225	End	333
Name	OJ990402_07.9819.C32.o1.gp	Method	AAT/GAP
Start	225	End	333
GI	uC-osflcyp088b12b1	Score	150
Exons	225..333		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4170	Seq. ID	OJ990402_07.9819.C32
Gene No.	8703	Strand	+
Start	525	End	725
Name	OJ990402_07.9819.C32.o1.gs	Method	GENSCAN
Start	525	End	725
GI	none	Score	.47
Exons	525..725		

Seq. No.	4171	Seq. ID	OJ990412_01.9819.C1
Gene No.	8704	Strand	+
Start	182	End	622
Name	OJ990412_01.9819.C1.o1.gs	Method	GENSCAN
Start	182	End	622
GI	none	Score	.75
Exons	182..385, 462..622		

Seq. No.	4172	Seq. ID	OJ990412_01.9819.C2
Gene No.	8705	Strand	-
Start	1	End	489
Name	OJ990412_01.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	473
GI	6729348	Score	187
Exons	1..164, 252..308, 415..473		
GI Descrip.	(AB037134) IRE homolog 1 [Arabidopsis thaliana]		

Seq. No.	4172	Seq. ID	OJ990412_01.9819.C2
Gene No.	8705	Strand	-
Start	1	End	489
Name	OJ990412_01.9819.C2.o1.gp	Method	AAT/GAP
Start	83	End	316
GI	17089_1.R1084	Score	223
Exons	83..164, 252..316		
GI Descrip.	'1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds'		

Seq. No.	4172	Seq. ID	OJ990412_01.9819.C2
Gene No.	8705	Strand	-
Start	1	End	489
Name	OJ990412_01.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	84	End	489
GI	none	Score	110
Exons	84..212, 85..165, 92..169, 243..311, 251..319, 253..309, 412..489, 413..469		

Seq. No.	4172	Seq. ID	OJ990412_01.9819.C2
Gene No.	8705	Strand	-
Start	1	End	489
Name	OJ990412_01.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	84	End	474
GI	none	Score	115
Exons	84..212, 85..165, 92..169, 243..311, 251..319, 253..309, 404..469, 412..474, 413..469		

Seq. No.	4173	Seq. ID	OJ990412_01.9819.C3
Gene No.	8706	Strand	+
Start	1	End	938
Name	OJ990412_01.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	938
GI	6728973	Score	128
Exons	1..96, 703..938		
GI Descrip.	(AC018363) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	4173	Seq. ID	OJ990412_01.9819.C3
Gene No.	8706	Strand	+
Start	1	End	938
Name	OJ990412_01.9819.C3.o1.gs	Method	GENSCAN
Start	362	End	798
GI	none	Score	.73
Exons	362..399, 706..798		

Seq. No.	4173	Seq. ID	OJ990412_01.9819.C3
Gene No.	8706	Strand	+
Start	1	End	938
Name	OJ990412_01.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	704	End	918
GI	none	Score	139
Exons	704..832, 705..803, 709..816, 785..913, 820..918, 833..898, 835..912		

Seq. No.	4173	Seq. ID	OJ990412_01.9819.C3
Gene No.	8706	Strand	+

Start	1	End	938
Name	OJ990412_01.9819.C3.o1.gp	Method	AAT/GAP
Start	706	End	860
GI	70286_1.R1084	Score	200
Exons	706..860		
GI Descrip.	'4008006 8.0e-52 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	4174	Seq. ID	OJ990412_01.9819.C4
Gene No.	8707	Strand	-
Start	96	End	1564
Name	OJ990412_01.9819.C4.o1.gs	Method	GENSCAN
Start	96	End	1564
GI	none	Score	.54
Exons	96..327, 1190..1369, 1497..1564		

Seq. No.	4174	Seq. ID	OJ990412_01.9819.C4
Gene No.	8708	Strand	-
Start	1803	End	5582
Name	OJ990412_01.9819.C4.o2.gs	Method	GENSCAN
Start	1803	End	5582
GI	none	Score	.45
Exons	1803..1932, 3938..4134, 5529..5582		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8709	Strand	+
Start	3299	End	3730
Name	OJ990412_01.9819.C5.o2.gp	Method	AAT/GAP
Start	3299	End	3730
GI	LIB3432-022-P1-K1-C4	Score	821
Exons	3299..3730		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8710	Strand	-
Start	1118	End	3158
Name	OJ990412_01.9819.C5.o1.gs	Method	GENSCAN
Start	1118	End	3124
GI	none	Score	.77
Exons	1118..1430, 2190..2232, 2555..2582, 2767..2892, 2985..3124		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8710	Strand	-
Start	1118	End	3158
Name	OJ990412_01.9819.C5.o1.gp	Method	AAT/GAP
Start	2544	End	3124
GI	17570_1.R1084	Score	695
Exons	2544..2681, 2767..2892, 2985..3124		
GI Descrip.	'4886271/emb|CAB43411.1| 9.0e-56 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8710	Strand	-
Start	1118	End	3158
Name	OJ990412_01.9819.C5.o1.np	Method	AAT/NAP
Start	2544	End	3158

GI	4886271	Score	503
Exons	2544..2681, 2767..2892, 2985..3158		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8711	Strand	-
Start	6113	End	6177
Name	OJ990412_01.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	2174	End	3135
GI	none	Score	92
Exons	2174..2233, 2550..2681, 2551..2682, 2580..2690, 2602..2682, 2748..2891, 2749..2892, 2750..2893, 2752..2892, 2985..3125, 2986..3135		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8711	Strand	-
Start	6113	End	6177
Name	OJ990412_01.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2547	End	3135
GI	none	Score	80
Exons	2547..2681, 2551..2682, 2735..2893, 2764..2892, 2767..2895, 2985..3125, 2985..3125, 2990..3133, 2992..3135		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8711	Strand	-
Start	6113	End	6177
Name	OJ990412_01.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	2547	End	3087
GI	none	Score	80
Exons	2547..2681, 2551..2682, 2580..2690, 2735..2893, 2764..2892, 2773..2895, 2985..3086, 2989..3087, 2990..3082		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8711	Strand	-
Start	6113	End	6177
Name	OJ990412_01.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	2550	End	3147
GI	none	Score	89
Exons	2550..2681, 2550..2681, 2551..2682, 2764..2892, 2765..2884, 2767..2910, 2972..3115, 2985..3125, 2985..3125, 2986..3147		

Seq. No.	4175	Seq. ID	OJ990412_01.9819.C5
Gene No.	8711	Strand	-
Start	6113	End	6177
Name	OJ990412_01.9819.C5.o3.gp	Method	AAT/GAP
Start	6113	End	6177
GI	3061062	Score	64
Exons	6113..6177		

Seq. No.	4176	Seq. ID	OJ990412_01.9819.C6
Gene No.	8712	Strand	+
Start	257	End	518
Name	OJ990412_01.9819.C6.o1.gs	Method	GENSCAN
Start	257	End	518
GI	none	Score	.94
Exons	257..518		

Seq. No.	4176	Seq. ID	OJ990412_01.9819.C6
Gene No.	8713	Strand	-
Start	147	End	263
Name	OJ990412_01.9819.C6.o1.gp	Method	AAT/GAP
Start	147	End	263
GI	LIB3433-051-P1-K1-H4	Score	153
Exons	147..263		
GI Descrip.	'4886271/emb|CAB43411.1| 3.0e-35 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	4176	Seq. ID	OJ990412_01.9819.C6
Gene No.	8714	Strand	-
Start	4847	End	5882
Name	OJ990412_01.9819.C6.o1.np	Method	AAT/NAP
Start	4847	End	5882
GI	6453893	Score	237
Exons	4847..5101, 5189..5369, 5549..5647, 5736..5882		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4176	Seq. ID	OJ990412_01.9819.C6
Gene No.	8714	Strand	-
Start	4847	End	5882
Name	OJ990412_01.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	4853	End	5093
GI	none	Score	125
Exons	4853..4885, 4861..5085, 4861..5085, 4907..5089, 4907..5092, 4923..5093		

Seq. No.	4176	Seq. ID	OJ990412_01.9819.C6
Gene No.	8714	Strand	-
Start	4847	End	5882
Name	OJ990412_01.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	5294	End	5797
GI	none	Score	155
Exons	5294..5371, 5546..5650, 5547..5648, 5548..5649, 5602..5649, 5609..5650, 5717..5797, 5720..5794, 5734..5796		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8715	Strand	-
Start	3409	End	9198
Name	OJ990412_01.9819.C8.o1.gp	Method	AAT/GAP
Start	3409	End	5329
GI	20785_4.R1084	Score	1499
Exons	3409..3805, 4053..4192, 4475..4703, 4808..4858, 5268..5329		
GI Descrip.	'3341679 1.0e-57 (AC003672) dynamin-like protein phragmoplastin 12 [Arabidopsis thaliana]'		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8715	Strand	-
Start	3409	End	9198
Name	OJ990412_01.9819.C8.o2.gs	Method	GENSCAN
Start	3680	End	8937
GI	none	Score	.85
Exons	3680..3805, 4053..4192, 4475..4703, 4808..4858, 5268..5493, 5632..5702, 5867..5986, 6085..6279, 6357..6421, 6578..6668, 7004..7065, 7147..7197, 7889..7990, 8411..8515, 8655..8937		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8715	Strand	-
Start	3409	End	9198
Name	OJ990412_01.9819.C8.o1.np	Method	AAT/NAP
Start	3683	End	8937
GI	6651403	Score	2098
Exons	3683..3805, 4053..4192, 4475..4703, 4808..4858, 5268..5493, 5632..5702, 5867..5986, 6085..6279, 6357..6421, 6578..6668, 7004..7065, 7147..7197, 7889..7990, 8411..8515, 8624..8687, 8800..8937		
GI Descrip.	(AF180734) dynamin-like protein 5 [Arabidopsis thaliana]		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8715	Strand	-
Start	3409	End	9198
Name	OJ990412_01.9819.C8.o2.gp	Method	AAT/GAP
Start	5381	End	5709
GI	uC-osf1M202091c09b1	Score	230
Exons	5381..5493, 5632..5709		
GI Descrip.	'3341679 5.0e-13 (AC003672) dynamin-like protein phragmoplastin 12 [Arabidopsis thaliana]'		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8715	Strand	-
Start	3409	End	9198
Name	OJ990412_01.9819.C8.o3.gp	Method	AAT/GAP
Start	7916	End	9198
GI	25912_1.R1084	Score	950
Exons	7916..7990, 8411..8515, 8624..8687, 8800..9097, 9173..9198		
GI Descrip.	'2129825/pir||S63667 2.0e-32 dynamin-like protein phragmoplastin 12 - soybean >gi_1217994 (U25547) SDL [Glycine max]'		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	3461	End	7069
GI	none	Score	34
Exons	3461..3502, 3485..3499, 3544..3624, 3582..3632, 3669..3815, 3674..3856, 3680..3808, 4052..4189, 4053..4187, 4053..4193, 4054..4194, 4054..4194, 4453..4704, 4455..4706, 4467..4706, 4806..4859, 4808..4873, 4808..4858, 5234..5491, 5244..5492, 5248..5493, 5262..5492, 5630..5698, 5631..5702, 5632..5697, 5632..5721, 5861..5989, 5865..5990, 5867..5989, 6085..6279, 6089..6280, 6091..6294, 6348..6422, 6353..6427, 6354..6428, 6355..6426, 6575..6670, 6576..6671, 6577..6669, 6577..6711, 6992..7054, 7000..7065, 7004..7069		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	3686	End	8941
GI	none	Score	73
Exons	3686..3841, 4050..4193, 4054..4194, 4455..4703, 4558..4704, 5262..5327, 7148..7198, 7149..7214, 7890..7985, 7894..7986, 7896..7991, 8412..8471, 8413..8472, 8463..8516, 8464..8520,		

8596..8688, 8622..8690, 8624..8689, 8800..8931, 8804..8941

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	3752	End	4859
GI	none	Score	65
Exons	3752..3841, 4053..4190, 4053..4190, 4054..4191, 4075..4191, 4455..4706, 4530..4706, 4794..4859, 4808..4858		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	5244	End	8943
GI	none	Score	98
Exons	5244..5486, 5245..5484, 5248..5493, 5259..5492, 5631..5702, 5632..5703, 5861..5989, 5868..5975, 6077..6268, 6085..6279, 6089..6280, 6348..6422, 6349..6426, 6355..6426, 6576..6671, 6577..6717, 6999..7067, 7004..7066, 7148..7198, 7149..7199, 7890..7985, 7894..7986, 8412..8471, 8413..8472, 8457..8516, 8464..8532, 8599..8688, 8622..8690, 8800..8856, 8800..8844, 8854..8943, 8875..8940		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	5329	End	7060
GI	none	Score	217
Exons	5329..5493, 5329..5484, 5331..5492, 5631..5702, 5632..5703, 5861..5989, 5868..5975, 5920..5991, 6085..6276, 6085..6279, 6086..6280, 6348..6422, 6349..6423, 6576..6671, 6577..6669, 6999..7049, 7004..7060, 7010..7060		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	8409	End	9078
GI	none	Score	118
Exons	8409..8516, 8413..8532, 8415..8516, 8620..8688, 8622..8690, 8627..8695, 8628..8705, 8800..8946, 8800..8949, 8876..8950, 9052..9078		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o4.gp	Method	AAT/GAP
Start	11083	End	11817
GI	LIB3431-021-P1-N1-G3	Score	920
Exons	11083..11520, 11778..11817		
GI Descrip.	'3800878 4.0e-16 (AF096281) threonine dehydratase/deaminase [Arabidopsis thaliana]'		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8

Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	11307	End	14729
GI	none	Score	93
Exons	11307..11327, 11362..11523, 11368..11535, 11378..11524, 11776..11910, 11778..11912, 11778..11912, 11779..11913, 12415..12537, 12417..12548, 12418..12537, 12419..12538, 12727..12801, 12729..12800, 12873..13130, 12877..13134, 12878..13129, 13050..13145, 13552..13785, 13574..13792, 13574..13810, 14158..14439, 14158..14439, 14531..14710, 14531..14692, 14532..14729, 14532..14711		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o3.gs	Method	GENSCAN
Start	11368	End	14710
GI	none	Score	.86
Exons	11368..11520, 11778..11912, 12418..12535, 12727..12800, 12880..13128, 13576..13782, 14161..14430, 14531..14710		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o2.np	Method	AAT/NAP
Start	11383	End	14710
GI	3800878	Score	1573
Exons	11383..11520, 11778..11912, 12418..12535, 12727..12800, 12880..13128, 13576..13782, 14161..14430, 14531..14710		
GI Descrip.	(AF096281) threonine dehydratase/deaminase [Arabidopsis thaliana] gi|6143871|gb|AAF04418.1|AC010927_11 (AC010927) threonine dehydratase/deaminase (OMR1) [Arabidopsis thaliana] gi|6942237|gb|AAF32370.1|AF221984_1 (AF221984) threonine dehydratase/deaminase [Arabidopsis thaliana]		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	11386	End	14711
GI	none	Score	77
Exons	11386..11535, 11429..11524, 11776..11877, 11778..11870, 11778..11918, 11779..11913, 12415..12537, 12428..12538, 12763..12801, 12765..12800, 12877..13134, 12878..13129, 12878..13168, 12880..13131, 13035..13175, 13050..13175, 13561..13785, 13574..13621, 13576..13785, 13676..13810, 14158..14439, 14159..14182, 14160..14444, 14219..14431, 14268..14447, 14490..14582, 14531..14692, 14535..14711, 14601..14708		

Seq. No.	4177	Seq. ID	OJ990412_01.9819.C8
Gene No.	8716	Strand	-
Start	11368	End	14729
Name	OJ990412_01.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	11386	End	13018
GI	none	Score	74

Exons	11386..11535, 11429..11521, 11776..11901, 11778..11912, 11778..11918, 11785..11913, 12415..12537, 12441..12536, 12745..12801, 12747..12800, 12894..13010, 12895..13017, 12896..13018		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8717	Strand	+
Start	60	End	3531
Name	OJ990412_01.9819.C9.o1.gs	Method	GENSCAN
Start	60	End	3531
GI	none	Score	.44
Exons	60..185, 1398..1512, 2122..2217, 2349..2484, 2728..2827, 3012..3062, 3382..3531		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	6265	End	6640
GI	none	Score	315
Exons	6265..6411, 6276..6533, 6282..6533, 6284..6535, 6425..6640, 6426..6626		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o2.gs	Method	GENSCAN
Start	6275	End	7945
GI	none	Score	.82
Exons	6275..7945		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o1.gp	Method	AAT/GAP
Start	6307	End	6791
GI	73399_1.R1084	Score	899
Exons	6307..6791		
GI Descrip.	'4220445 3.0e-17 (AC006216) Similar to gi_3004555 F19F24.14 salt inducible protein homolog from Arabidopsis thaliana BAC gb_AC003673. [Arabidopsis thaliana]'		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	6320	End	7972
GI	none	Score	69
Exons	6320..6661, 6392..6622, 6422..6757, 6423..6551, 6605..6802, 6629..6838, 7304..7483, 7332..7562, 7337..7561, 7352..7597, 7436..7615, 7442..7597, 7613..7753, 7622..7813, 7622..7813, 7634..7813, 7886..7972		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o1.ts	Method	TBLASTX:Soybean

Start	6320	End	7948
GI	none	Score	66
Exons	6320..6661, 6320..6532, 6353..6829, 6458..6871, 7298..7609, 7298..7573, 7397..7591, 7419..7592, 7499..7609, 7598..7813, 7619..7819, 7619..7819, 7622..7786, 7623..7718, 7835..7948		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	6989	End	7231
GI	none	Score	194
Exons	6989..7231, 6989..7225		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o1.np	Method	AAT/NAP
Start	7136	End	8030
GI	3695380	Score	658
Exons	7136..8030		
GI Descrip.	(AF096370) partial CDS; contains similarity to Nicotiana tabacum membrane-associated salt-inducible protein (GB:U08285) [Arabidopsis thaliana]		

Seq. No.	4178	Seq. ID	OJ990412_01.9819.C9
Gene No.	8718	Strand	-
Start	6275	End	8030
Name	OJ990412_01.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	7608	End	7832
GI	none	Score	234
Exons	7608..7832, 7613..7714, 7616..7831		

Seq. No.	4179	Seq. ID	OJ990412_01.9819.C10
Gene No.	8719	Strand	+
Start	276	End	3744
Name	OJ990412_01.9819.C10.o1.gs	Method	GENSCAN
Start	276	End	3744
GI	none	Score	.57
Exons	276..344, 2862..2893, 3269..3397, 3621..3744		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8720	Strand	+
Start	324	End	3261
Name	OJ990412_01.9819.C11.o1.np	Method	AAT/NAP
Start	324	End	3261
GI	585202	Score	1264
Exons	324..426, 556..659, 747..795, 896..1002, 1083..1170, 1470..1598, 1706..1780, 1948..2001, 2105..2142, 2247..2406, 2973..3033, 3134..3261		
GI Descrip.	GLUTAMINE SYNTHETASE ROOT ISOZYME 2 (GLUTAMATE--AMMONIA LIGASE) gi|481807|pir||S39478 glutamate--ammonia ligase (EC 6.3.1.2) 1-2, cytosolic - maize gi|434326|emb|CAA46720| (X65927) glutamine synthetase [Zea mays]		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8720	Strand	+

Start	324	End	3261
Name	OJ990412_01.9819.C11.o1.gs	Method	GENSCAN
Start	556	End	3261
GI	none	Score	.57
Exons	556..659, 896..1082, 1470..1598, 1706..1780, 1948..2001, 2105..2142, 2247..2406, 2973..3114, 3134..3261		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8721	Strand	+
Start	11129	End	14091
Name	OJ990412_01.9819.C11.o3.gs	Method	GENSCAN
Start	11129	End	14091
GI	none	Score	.63
Exons	11129..11184, 11790..11922, 12062..12124, 12151..12318, 13870..14091		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8722	Strand	+
Start	14010	End	14072
Name	OJ990412_01.9819.C11.o2.gp	Method	AAT/GAP
Start	14010	End	14072
GI	15625_1.R1084	Score	82
Exons	14010..14072		
GI Descrip.	'2129628/pir||S58275 2.0e-21 ketoconazole resistent protein - Arabidopsis thaliana >gi_928938_emb_CAA61433_ (X89036) ketoconazole resistent protein [Arabidopsis thaliana]'		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8723	Strand	+
Start	17432	End	18737
Name	OJ990412_01.9819.C11.o4.np	Method	AAT/NAP
Start	17432	End	18737
GI	6815099	Score	69
Exons	17432..17478, 18613..18737		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8724	Strand	-
Start	4591	End	12336
Name	OJ990412_01.9819.C11.o2.gs	Method	GENSCAN
Start	4591	End	10077
GI	none	Score	.89
Exons	4591..5631, 5658..5839, 5899..6028, 6287..6403, 6573..6705, 6964..7040, 7129..7233, 7769..7832, 7939..8073, 8586..8681, 8767..8921, 9000..9099, 9392..9492, 9590..9709, 9976..10077		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8724	Strand	-
Start	4591	End	12336
Name	OJ990412_01.9819.C11.o1.gp	Method	AAT/GAP
Start	5849	End	12336
GI	3805_1.R1084	Score	3846
Exons	5849..6172, 6287..6403, 6573..6705, 6964..7040, 7129..7304, 7613..7694, 7769..7832, 8586..8681, 8767..8921, 9000..9099, 9186..9245, 9392..9492, 9590..9709, 9796..9858, 9976..10089, 10621..10676, 11071..11152, 12139..12336		
GI Descrip.	'3294467 0.0e+00 (U89341) phosphoglucomutase 1 [Zea mays]'		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8724	Strand	-
Start	4591	End	12336
Name	OJ990412_01.9819.C11.o2.np	Method	AAT/NAP
Start	6104	End	12219
GI	3294469	Score	2364
Exons	6104..6172, 6287..6403, 6573..6705, 6964..7040, 7129..7304, 7613..7694, 7769..7832, 8586..8681, 8767..8921, 9000..9099, 9186..9245, 9392..9492, 9590..9709, 9796..9858, 9976..10089, 10621..10676, 11071..11152, 12139..12219		
GI Descrip.	(U89342) phosphoglucomutase 2 [Zea mays]		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	388	End	3222
GI	none	Score	58
Exons	388..426, 553..657, 554..655, 555..659, 748..798, 865..1002, 896..1003, 1063..1128, 1083..1172, 1083..1130, 1469..1594, 1470..1604, 1703..1780, 1705..1779, 1945..2001, 1947..2000, 2099..2140, 2244..2420, 2245..2427, 2924..3034, 2964..3035, 3132..3215, 3132..3221, 3133..3222		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	388	End	3222
GI	none	Score	57
Exons	388..426, 553..657, 555..674, 747..794, 747..797, 748..798, 748..798, 895..1002, 896..1003, 899..1003, 1063..1128, 1083..1175, 1083..1130, 1468..1596, 1469..1603, 1470..1604, 1702..1779, 1703..1780, 1703..1780, 1945..2001, 1947..2000, 2084..2140, 2099..2140, 2104..2142, 2238..2306, 2244..2336, 2245..2406, 2964..3035, 2965..3030, 2972..3034, 3133..3222, 3134..3166, 3136..3216		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	388	End	1130
GI	none	Score	57
Exons	388..426, 553..657, 555..674, 747..794, 747..797, 748..798, 895..1002, 896..1003, 898..1005, 1059..1130, 1063..1128, 1065..1130		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	388	End	2143
GI	none	Score	59
Exons	388..426, 538..657, 555..659, 747..797, 748..798, 895..999, 896..1003, 899..1003, 1059..1130, 1064..1183, 1065..1172,		

1467..1589, 1469..1594, 1470..1604, 1703..1780, 1705..1779,
1945..2001, 2105..2143

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	1469	End	2140
GI	none	Score	222

Exons 1469..1594, 1470..1604, 1703..1780, 1705..1779, 1945..2001,
1947..2000, 2078..2140

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o4.tc	Method	TBLASTX:Cress
Start	2229	End	3222
GI	none	Score	64

Exons 2229..2300, 2235..2336, 2236..2406, 2924..3034, 2964..3035,
3132..3215, 3132..3221, 3133..3222

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	5973	End	12226
GI	none	Score	34

Exons 5973..6020, 6026..6172, 6083..6172, 6090..6173, 6096..6173,
6284..6403, 6285..6404, 6285..6404, 6286..6405, 6530..6700,
6547..6708, 6555..6719, 6567..6707, 6572..6721, 6957..7043,
6958..7041, 7096..7302, 7129..7305, 7130..7306, 7602..7700,
7604..7696, 7608..7700, 7766..7834, 7766..7834, 7767..7835,
7804..7842, 8574..8684, 8574..8681, 8585..8692, 8763..8843,
8769..8843, 8805..8924, 8839..8922, 8989..9099, 8998..9108,
9000..9107, 9186..9245, 9188..9247, 9391..9492, 9392..9493,
9581..9712, 9588..9710, 9791..9856, 9794..9859, 9796..9861,
9796..9858, 9976..10092, 9977..10096, 9977..10090, 10621..10677,
10622..10678, 10623..10679, 11069..11155, 11070..11156,
12134..12220, 12137..12226

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	6090	End	7683
GI	none	Score	98

Exons 6090..6164, 6098..6172, 6099..6173, 6285..6326, 6297..6398,
6309..6398, 6314..6403, 6443..6508, 6567..6707, 6584..6700,
6957..7043, 6967..7041, 7129..7212, 7130..7213, 7219..7305,
7223..7306, 7608..7682, 7636..7683

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o5.tc	Method	TBLASTX:Cress
Start	6101	End	7043
GI	none	Score	95

Exons	6101..6172, 6102..6173, 6102..6176, 6103..6228, 6284..6403, 6285..6404, 6547..6648, 6567..6725, 6578..6697, 6957..7043, 6964..7041		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	6648	End	7692
GI	none	Score	97
Exons	6648..6701, 6957..7043, 6964..7041, 7093..7305, 7116..7238, 7129..7305, 7130..7306, 7602..7691, 7608..7679, 7636..7692		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o6.tc	Method	TBLASTX:Cress
Start	7135	End	7667
GI	none	Score	122
Exons	7135..7305, 7160..7306, 7226..7306, 7608..7667		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	7668	End	9247
GI	none	Score	94
Exons	7668..7703, 7766..7834, 8574..8684, 8585..8692, 8763..8840, 8766..8825, 8832..8924, 8854..8922, 8998..9108, 9000..9107, 9186..9242, 9188..9247		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	8657	End	9459
GI	none	Score	41
Exons	8657..8692, 8658..8684, 8763..8924, 8768..8929, 8769..8924, 8840..8929, 8989..9078, 8997..9095, 9000..9107, 9004..9096, 9163..9243, 9186..9245, 9188..9247, 9391..9459, 9392..9457		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	8666	End	12223
GI	none	Score	47
Exons	8666..8692, 8732..8791, 8759..8827, 8763..8831, 8766..8828, 8805..8924, 8842..8922, 8998..9108, 9000..9107, 9186..9242, 9188..9247, 9391..9492, 9392..9493, 9581..9712, 9588..9710, 9794..9859, 9796..9858, 9976..10089, 9977..10090, 10615..10677, 10616..10681, 10622..10678, 11057..11155, 11070..11156, 11096..11167, 12136..12219, 12137..12223		
Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552

Name	OJ990412_01.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	9386	End	12204
GI	none	Score	107
Exons	9386..9487, 9391..9516, 9392..9493, 9573..9710, 9575..9712, 9614..9721, 9794..9859, 9794..9856, 9796..9861, 9796..9858, 9976..10089, 9977..10096, 9989..10090, 10615..10677, 10622..10681, 10622..10678, 11057..11155, 11070..11156, 12136..12204, 12137..12190		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	16396	End	17631
GI	none	Score	40
Exons	16396..16443, 16440..16691, 16443..16694, 16695..16979, 16697..16990, 16698..16997, 16982..17035, 16984..17196, 17061..17165, 17105..17200, 17159..17305, 17187..17294, 17198..17302, 17203..17304, 17408..17596, 17410..17595, 17413..17631, 17439..17606		

Seq. No.	4180	Seq. ID	OJ990412_01.9819.C11
Gene No.	8725	Strand	-
Start	21560	End	22552
Name	OJ990412_01.9819.C11.o5.gs	Method	GENSCAN
Start	21560	End	22552
GI	none	Score	.68
Exons	21560..21747, 21856..22044, 22492..22552		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8726	Strand	+
Start	66	End	252
Name	OJ990412_01.9819.C12.o1.gs	Method	GENSCAN
Start	66	End	252
GI	none	Score	.43
Exons	66..252		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8727	Strand	+
Start	4082	End	6879
Name	OJ990412_01.9819.C12.o3.gs	Method	GENSCAN
Start	4082	End	6879
GI	none	Score	.82
Exons	4082..5468, 6206..6879		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8727	Strand	+
Start	4082	End	6879
Name	OJ990412_01.9819.C12.o1.np	Method	AAT/NAP
Start	4112	End	6795
GI	4008006	Score	1553
Exons	4112..5468, 6206..6795		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8727	Strand	+
Start	4082	End	6879

Name	OJ990412_01.9819.C12.o1.gp	Method	AAT/GAP
Start	5025	End	6364
GI	70286_1.R1084	Score	1143
Exons	5025..5468, 6206..6364		
GI Descrip.	'4008006 8.0e-52 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8727	Strand	+
Start	4082	End	6879
Name	OJ990412_01.9819.C12.o2.gp	Method	AAT/GAP
Start	6457	End	6789
GI	LIB3434-064-P1-K1-B5	Score	563
Exons	6457..6789		
GI Descrip.	'2760839/gb|AAB95307.1| 1.0e-26 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8728	Strand	+
Start	6786	End	7234
Name	OJ990412_01.9819.C12.o3.gp	Method	AAT/GAP
Start	6786	End	7234
GI	none	Score	861
Exons	6786..7234		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8729	Strand	-
Start	933	End	2575
Name	OJ990412_01.9819.C12.o2.gs	Method	GENSCAN
Start	933	End	2575
GI	none	Score	.73
Exons	933..1050, 1262..1651, 2532..2575		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	4264	End	5311
GI	none	Score	451
Exons	4264..4785, 4265..4735, 5075..5182, 5177..5311, 5189..5311		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	4265	End	4785
GI	none	Score	358
Exons	4265..4651, 4276..4644, 4448..4690, 4646..4735, 4663..4785		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	4294	End	4776
GI	none	Score	459
Exons	4294..4662, 4295..4654, 4541..4663, 4651..4776, 4652..4735, 4737..4769		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	4777	End	4997
GI	none	Score	61
Exons	4777..4830, 4778..4831, 4854..4988, 4854..4997, 4945..4995		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	5123	End	5470
GI	none	Score	523
Exons	5123..5470, 5134..5469		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	5146	End	5395
GI	none	Score	338
Exons	5146..5394, 5147..5395		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	5201	End	6779
GI	none	Score	252
Exons	5201..5470, 5275..5469, 5276..5473, 6186..6236, 6205..6231, 6232..6768, 6237..6779		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	5312	End	6768
GI	none	Score	147
Exons	5312..5470, 6204..6272, 6205..6444, 6426..6641, 6430..6645, 6655..6768		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	6185	End	6769
GI	none	Score	75
Exons	6185..6382, 6196..6768, 6201..6767, 6473..6769		

Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	6238	End	6528
GI	none	Score	137

Exons	6238..6390, 6430..6528		
Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	6569	End	6956
GI	none	Score	182
Exons	6569..6805, 6570..6758, 6571..6807, 6793..6849, 6924..6956		
Seq. No.	4181	Seq. ID	OJ990412_01.9819.C12
Gene No.	8730	Strand	-
Start	7186	End	7462
Name	OJ990412_01.9819.C12.o4.gs	Method	GENSCAN
Start	7186	End	7462
GI	none	Score	.97
Exons	7186..7462		
Seq. No.	4182	Seq. ID	OJ990412_01.9819.C13
Gene No.	8731	Strand	+
Start	155	End	602
Name	OJ990412_01.9819.C13.o1.gp	Method	AAT/GAP
Start	155	End	602
GI	none	Score	852
Exons	155..602		
Seq. No.	4182	Seq. ID	OJ990412_01.9819.C13
Gene No.	8731	Strand	+
Start	155	End	602
Name	OJ990412_01.9819.C13.o1.gs	Method	GENSCAN
Start	263	End	433
GI	none	Score	.55
Exons	263..433		
Seq. No.	4183	Seq. ID	OJ990412_01.9819.C15
Gene No.	8732	Strand	-
Start	1	End	818
Name	OJ990412_01.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	818
GI	6522561	Score	177
Exons	1..117, 207..342, 507..632, 769..818		
GI Descrip.	(AL132967) calmodulin-binding heat-shock-like protein [Arabidopsis thaliana]		
Seq. No.	4183	Seq. ID	OJ990412_01.9819.C15
Gene No.	8732	Strand	-
Start	1	End	818
Name	OJ990412_01.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	202	End	571
GI	none	Score	153
Exons	202..348, 203..346, 204..347, 476..571		
Seq. No.	4183	Seq. ID	OJ990412_01.9819.C15
Gene No.	8732	Strand	-
Start	1	End	818
Name	OJ990412_01.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	202	End	345

GI	none	Score	119
Exons	202..345, 204..344		

Seq. No.	4183	Seq. ID	OJ990412_01.9819.C15
Gene No.	8732	Strand	-
Start	1	End	818
Name	OJ990412_01.9819.C15.o1.gs	Method	GENSCAN
Start	207	End	633
GI	none	Score	.75
Exons	207..320, 545..633		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	810
GI	3367534	Score	1081
Exons	1..810		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.gp	Method	AAT/GAP
Start	85	End	393
GI	12998_1.R1084	Score	592
Exons	85..393		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	85	End	353
GI	none	Score	243
Exons	85..351, 87..320, 87..353		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	85	End	455
GI	none	Score	204
Exons	85..222, 85..216, 87..218, 219..455, 220..450, 251..451		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.gs	Method	GENSCAN
Start	121	End	790
GI	none	Score	.72
Exons	121..397, 527..648, 702..790		

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16

Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	162	End	736
GI	none	Score	87
Exons	162..278, 162..296, 169..279, 614..736	363..722, 388..717, 614..718,	

Seq. No.	4184	Seq. ID	OJ990412_01.9819.C16
Gene No.	8733	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	390	End	808
GI	none	Score	322
Exons	390..428, 403..696, 408..695, 693..806	415..696, 446..700, 692..808,	

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8734	Strand	-
Start	1	End	2445
Name	OJ990412_01.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	2445
GI	2494888	Score	1502
Exons	1..644, 1058..1552, 2238..2445		
GI Descrip.	COATOMER ALPHA SUBUNIT (ALPHA-COAT PROTEIN) (ALPHA-COP) (HEPCOP) gi|1237029|emb|CAA65543| (X96768) alpha-cop protein [Bos primigenius]		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8734	Strand	-
Start	1	End	2445
Name	OJ990412_01.9819.C17.o1.gs	Method	GENSCAN
Start	114	End	2403
GI	none	Score	.91
Exons	114..239, 265..644, 1058..1552, 2026..2211, 2238..2403		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o7.ts	Method	TBLASTX:Soybean
Start	6	End	11524
GI	none	Score	51
Exons	6..77, 58..129, 11351..11521, 11372..11524	11352..11522, 11359..11523,	

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	132	End	11870
GI	none	Score	60
Exons	132..233, 132..254, 133..246, 11525..11866, 11526..11870	257..478, 259..474, 321..482,	

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069

Name	OJ990412_01.9819.C17.o5.tm	Method	TBLASTX:Maize
Start	388	End	13281
GI	none	Score	159
Exons	388..651, 400..627, 424..621, 1041..1175, 1068..1163, 1068..1157, 1257..1556, 1263..1373, 1269..1562, 1269..1496, 1293..1553, 11780..12019, 11792..12019, 11816..12013, 12772..12894, 12787..12882, 12787..12876, 12976..13275, 12982..13092, 12988..13281, 12988..13215, 13012..13272		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o5.ts	Method	TBLASTX:Soybean
Start	499	End	13275
GI	none	Score	105
Exons	499..582, 520..627, 1068..1166, 1187..1309, 1188..1442, 1189..1440, 1272..1334, 1398..1556, 11891..11974, 11912..12019, 12787..12885, 12906..13013, 12907..13161, 12908..13159, 12979..13179, 12981..13181, 13117..13275		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o4.tc	Method	TBLASTX:Cress
Start	1086	End	14066
GI	none	Score	237
Exons	1086..1154, 1272..1337, 1293..1475, 1419..1538, 2236..2457, 2237..2458, 13012..13194, 13138..13257, 13853..14065, 13854..14066		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o6.ts	Method	TBLASTX:Soybean
Start	2236	End	14069
GI	none	Score	252
Exons	2236..2448, 2237..2449, 2324..2452, 2326..2457, 13853..14068, 13854..14069, 13946..14065		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	2245	End	14069
GI	none	Score	202
Exons	2245..2457, 2246..2458, 13865..14068, 13866..14069		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	9028	End	10254
GI	none	Score	429
Exons	9028..9573, 9038..10069, 9042..10085, 9077..10219, 9979..10134, 10149..10208, 10180..10218, 10215..10250, 10216..10251, 10216..10254		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	9083	End	10042
GI	none	Score	163
Exons	9083..9298, 9099..9266, 9099..9302, 9101..9286, 9103..9303, 9272..10042, 9324..9353, 9345..9434, 9356..9649, 9480..10040		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	9083	End	9673
GI	none	Score	131
Exons	9083..9298, 9102..9266, 9124..9306, 9309..9329, 9315..9434, 9356..9673, 9359..9658, 9552..9671		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o2.gs	Method	GENSCAN
Start	9083	End	14065
GI	none	Score	.69
Exons	9083..12036, 12777..13271, 13858..14065		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o2.np	Method	AAT/NAP
Start	9086	End	14065
GI	3367534	Score	5043
Exons	9086..12036, 12777..13271, 13858..14065		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o1.gp	Method	AAT/GAP
Start	9535	End	10985
GI	12998_1.R1084	Score	2726
Exons	9535..10985		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	10186	End	10900
GI	none	Score	106
Exons	10186..10464, 10259..10900, 10290..10895		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-

Start	9083	End	14069
Name	OJ990412_01.9819.C17.o4.tm	Method	TBLASTX:Maize
Start	10256	End	10408
GI	none	Score	172
Exons	10256..10408, 10265..10393, 10287..10406		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o3.tc	Method	TBLASTX:Cress
Start	10304	End	10762
GI	none	Score	295
Exons	10304..10339, 10334..10762, 10338..10754, 10355..10762		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	10409	End	11047
GI	none	Score	359
Exons	10409..10810, 10411..10779, 10415..10810, 10437..10814, 10811..11047, 10812..11042, 10843..11043		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o5.tc	Method	TBLASTX:Cress
Start	10763	End	10945
GI	none	Score	170
Exons	10763..10945, 10764..10943		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	10955	End	11329
GI	none	Score	318
Exons	10955..11299, 10980..11300, 11285..11329		

Seq. No.	4185	Seq. ID	OJ990412_01.9819.C17
Gene No.	8735	Strand	-
Start	9083	End	14069
Name	OJ990412_01.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	10995	End	11467
GI	none	Score	418
Exons	10995..11405, 11000..11467, 11036..11467		

Seq. No.	4186	Seq. ID	OJ990412_01.9819.C18
Gene No.	8736	Strand	+
Start	322	End	4988
Name	OJ990412_01.9819.C18.o1.gs	Method	GENSCAN
Start	322	End	4988
GI	none	Score	.55
Exons	322..413, 3859..4065, 4074..4229, 4830..4988		

Seq. No.	4186	Seq. ID	OJ990412_01.9819.C18
Gene No.	8737	Strand	-

Start	4628	End	5444
Name	OJ990412_01.9819.C18.o1.gp	Method	AAT/GAP
Start	4628	End	5444
GI	871497	Score	1360
Exons	4628..5444		
GI Descrip.	1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]		

Seq. No.	4186	Seq. ID	OJ990412_01.9819.C18
Gene No.	8737	Strand	-
Start	4628	End	5444
Name	OJ990412_01.9819.C18.o1.np	Method	AAT/NAP
Start	5108	End	5443
GI	1362170	Score	336
Exons	5108..5443		
GI Descrip.	DNA binding protein - rice (fragment) gi|871498|emb|CAA61277| (X88799) DNA binding protein [Oryza sativa]		

Seq. No.	4187	Seq. ID	OJ990412_01.9819.C19
Gene No.	8738	Strand	-
Start	2762	End	4007
Name	OJ990412_01.9819.C19.o1.gs	Method	GENSCAN
Start	2762	End	4007
GI	none	Score	.77
Exons	2762..3094, 3387..3609, 3907..4007		

Seq. No.	4187	Seq. ID	OJ990412_01.9819.C19
Gene No.	8738	Strand	-
Start	2762	End	4007
Name	OJ990412_01.9819.C19.o1.gp	Method	AAT/GAP
Start	3541	End	3973
GI	286549	Score	637
Exons	3541..3609, 3711..3973		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8739	Strand	+
Start	129	End	3677
Name	OJ990412_01.9819.C20.o1.gs	Method	GENSCAN
Start	129	End	3677
GI	none	Score	.57
Exons	129..244, 280..642, 1667..1753, 1836..1892, 2691..2742, 3532..3677		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8739	Strand	+
Start	129	End	3677
Name	OJ990412_01.9819.C20.o1.gp	Method	AAT/GAP
Start	1982	End	2397
GI	3768912	Score	776
Exons	1982..2397		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8740	Strand	+
Start	20438	End	22478
Name	OJ990412_01.9819.C20.o3.np	Method	AAT/NAP
Start	20438	End	22478

GI	1087073	Score	713
Exons	20438..21088, 21264..21322, 21457..21582, 21747..21873, 22170..22478		
GI Descrip.	(S79243) calmodulin-binding heat-shock protein, CaMBP [Nicotiana tabacum=tobacco, Wisconsin-38, Peptide, 449 aa] [Nicotiana tabacum]		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8740	Strand	+
Start	20438	End	22478
Name	OJ990412_01.9819.C20.o4.gs	Method	GENSCAN
Start	20438	End	22446
GI	none	Score	.92
Exons	20438..20956, 21133..21322, 21492..21582, 21747..21882, 22188..22446		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8741	Strand	-
Start	3726	End	4218
Name	OJ990412_01.9819.C20.o2.gp	Method	AAT/GAP
Start	3726	End	4218
GI	5771216	Score	944
Exons	3726..4218		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o5.tm	Method	TBLASTX:Maize
Start	393	End	2060
GI	none	Score	199
Exons	393..509, 394..510, 600..644, 601..687, 1839..1895, 1986..2060		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o3.gp	Method	AAT/GAP
Start	4221	End	6254
GI	17089_1.R1084	Score	1464
Exons	4221..4576, 4668..4833, 5739..5816, 5929..6102, 6190..6254		
GI Descrip.	'1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds'		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o2.gs	Method	GENSCAN
Start	4452	End	16102
GI	none	Score	.79
Exons	4452..4638, 4754..4833, 5739..5816, 5929..6153, 6190..6246, 6353..6404, 7195..7283, 7547..7632, 7715..7925, 9078..9170, 9246..9386, 9463..9555, 11167..11401, 11551..11723, 12522..13859, 13956..14141, 15239..16102		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-

Start	4452	End	16102
Name	OJ990412_01.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	4469	End	9171
GI	none	Score	87
Exons	4469..4555, 4491..4559, 4495..4554, 4555..4572, 4560..4580, 4665..4715, 4668..4715, 4669..4716, 4669..4716, 4741..4815, 4745..4846, 4746..4835, 5724..5816, 5738..5815, 5747..5818, 5854..6105, 5948..6103, 5949..6107, 5976..6104, 5995..6150, 6181..6249, 6189..6257, 6191..6247, 6350..6427, 6351..6407, 7183..7281, 7190..7282, 7194..7280, 7196..7342, 7197..7343, 7508..7633, 7543..7626, 7551..7634, 7701..7859, 7715..7849, 9078..9170, 9078..9170, 9082..9171		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	4738	End	9146
GI	none	Score	67
Exons	4738..4797, 4739..4795, 4799..4846, 5782..5817, 5925..6011, 5929..6150, 6035..6103, 6181..6249, 6191..6247, 6350..6412, 6351..6404, 7183..7284, 7194..7283, 7508..7633, 7551..7634, 7701..7832, 7702..7785, 7779..7931, 7852..7926, 9075..9146		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o1.np	Method	AAT/NAP
Start	4750	End	14099
GI	6729348	Score	2982
Exons	4750..4833, 5739..5818, 5928..6102, 6190..6246, 6353..6404, 7195..7283, 7547..7632, 7715..7925, 9078..9170, 9246..9386, 9463..9555, 11167..11401, 11551..11723, 12522..13859, 13956..14099		
GI Descrip.	(AB037134) IRE homolog 1 [Arabidopsis thaliana]		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	5928	End	6412
GI	none	Score	252
Exons	5928..6107, 5929..6150, 6181..6249, 6189..6257, 6191..6247, 6342..6407, 6350..6412, 6351..6407		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	7565	End	11265
GI	none	Score	46
Exons	7565..7627, 7566..7625, 7701..7781, 7702..7773, 7902..7931, 9081..9170, 9243..9392, 9244..9348, 9460..9558, 11164..11265		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102

Name	OJ990412_01.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	9243	End	11320
GI	none	Score	198
Exons	9243..9392, 9244..9393, 9248..9394, 9457..9546, 9460..9558, 9461..9613, 11164..11319, 11165..11320		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	11595	End	12981
GI	none	Score	79
Exons	11595..11726, 11596..11727, 12485..12844, 12510..12980, 12519..12977, 12526..12981		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o4.gp	Method	AAT/GAP
Start	11660	End	12984
GI	none	Score	1022
Exons	11660..11723, 12522..12984		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	12723	End	12964
GI	none	Score	241
Exons	12723..12962, 12725..12964, 12726..12956, 12727..12963		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o2.np	Method	AAT/NAP
Start	13100	End	15997
GI	6730665	Score	82
Exons	13100..13248, 15741..15997		
GI Descrip.	(AC007945) F28C11.15 [Arabidopsis thaliana]		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	13461	End	13700
GI	none	Score	151
Exons	13461..13700, 13506..13673, 13555..13698		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	13632	End	14016
GI	none	Score	129
Exons	13632..13862, 13637..13768, 13638..13862, 13954..14016, 13956..14015		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o5.ts	Method	TBLASTX:Soybean
Start	13984	End	14138
GI	none	Score	148
Exons	13984..14127, 13986..14123, 14001..14138		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8742	Strand	-
Start	4452	End	16102
Name	OJ990412_01.9819.C20.o5.gp	Method	AAT/GAP
Start	15617	End	15999
GI	none	Score	726
Exons	15617..15999		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8743	Strand	
Start	20990	End	21887
Name	OJ990412_01.9819.C20.o4.tm	Method	TBLASTX:Maize
Start	20990	End	21887
GI	none	Score	126
Exons	20990..21088, 21007..21081, 21258..21317, 21458..21517, 21515..21613, 21741..21887, 21742..21885		

Seq. No.	4188	Seq. ID	OJ990412_01.9819.C20
Gene No.	8743	Strand	
Start	20990	End	21887
Name	OJ990412_01.9819.C20.o4.ts	Method	TBLASTX:Soybean
Start	21458	End	21887
GI	none	Score	81
Exons	21458..21517, 21506..21613, 21744..21887, 21745..21885		

Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	218	End	649
GI	none	Score	155
Exons	218..322, 219..320, 220..321, 274..321, 389..535, 392..460, 392..541, 406..540, 483..542, 491..553, 501..596, 614..649		

Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o1.gs	Method	GENSCAN
Start	221	End	1977
GI	none	Score	.99
Exons	221..319, 408..539, 615..922, 1223..1340, 1601..1977		

Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o1.np	Method	AAT/NAP
Start	221	End	2583
GI	6453893	Score	490
Exons	221..319, 615..922, 1223..1340, 1601..1805, 2492..2583		

GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	746	End	1315
GI	none	Score	241
Exons	746..925, 747..923, 751..927, 1206..1313, 1207..1314, 1211..1315		
Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o2.np	Method	AAT/NAP
Start	1508	End	3494
GI	6539570	Score	216
Exons	1508..1536, 3058..3112, 3279..3494		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o2.gs	Method	GENSCAN
Start	2848	End	8012
GI	none	Score	.57
Exons	2848..2937, 3058..3078, 4818..4938, 5392..5469, 5804..5990, 6089..6368, 6491..6636, 7833..8012		
Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o3.np	Method	AAT/NAP
Start	3619	End	3697
GI	6630699	Score	95
Exons	3619..3697		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	4189	Seq. ID	OJ990412_01.9819.C23
Gene No.	8744	Strand	-
Start	221	End	8012
Name	OJ990412_01.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	4880	End	5847
GI	none	Score	61
Exons	4880..4939, 4880..4939, 4881..4940, 4882..4950, 5066..5119, 5069..5119, 5070..5120, 5199..5306, 5200..5307, 5370..5474, 5392..5469, 5393..5482, 5558..5590, 5569..5640, 5798..5845, 5803..5847, 5804..5845		
Seq. No.	4190	Seq. ID	OJ990412_01.9819.C24
Gene No.	8745	Strand	+
Start	1	End	901
Name	OJ990412_01.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	901
GI	3367534	Score	756
Exons	1..901		

GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	4190	Seq. ID	OJ990412_01.9819.C24
Gene No.	8745	Strand	+
Start	1	End	901
Name	OJ990412_01.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	22	End	699
GI	none	Score	88
Exons	22..129, 26..136, 27..143, 114..695, 145..699, 148..699		
Seq. No.	4190	Seq. ID	OJ990412_01.9819.C24
Gene No.	8745	Strand	+
Start	1	End	901
Name	OJ990412_01.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	26	End	699
GI	none	Score	77
Exons	26..145, 27..143, 144..437, 148..699, 480..695		
Seq. No.	4190	Seq. ID	OJ990412_01.9819.C24
Gene No.	8745	Strand	+
Start	1	End	901
Name	OJ990412_01.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	367	End	699
GI	none	Score	410
Exons	367..699, 373..699		
Seq. No.	4191	Seq. ID	OJ990412_01.9819.C26
Gene No.	8746	Strand	+
Start	115	End	271
Name	OJ990412_01.9819.C26.o1.gs	Method	GENSCAN
Start	115	End	271
GI	none	Score	.94
Exons	115..271		
Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	746
GI	3294469	Score	333
Exons	1..246, 364..426, 514..635, 721..746		
GI Descrip.	(U89342) phosphoglucomutase 2 [Zea mays]		
Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.gp	Method	AAT/GAP
Start	121	End	746
GI	3805_1.R1084	Score	458
Exons	121..246, 364..426, 514..633, 721..746		
GI Descrip.	'3294467 0.0e+00 (U89341) phosphoglucomutase 1 [Zea mays]'		
Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.tc	Method	TBLASTX:Cress

Start	126	End	628
GI	none	Score	79
Exons	126..245, 132..233, 133..246, 502..540, 511..558, 513..557,	361..426, 539..628,	363..428, 364..426, 541..564

Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	126	End	632
GI	none	Score	194
Exons	126..245, 130..246, 132..245, 366..431, 511..558, 513..557,	133..246, 545..628,	363..428, 364..426, 551..625, 552..632

Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	132	End	628
GI	none	Score	171
Exons	132..245, 133..246, 363..428, 539..628, 541..627	364..426,	511..558, 513..557,

Seq. No.	4192	Seq. ID	OJ990412_01.9819.C27
Gene No.	8747	Strand	+
Start	1	End	746
Name	OJ990412_01.9819.C27.o1.gs	Method	GENSCAN
Start	145	End	633
GI	none	Score	.67
Exons	145..246, 398..633		

Seq. No.	4193	Seq. ID	OJ990412_01.9819.C30
Gene No.	8748	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	810
GI	6651403	Score	239
Exons	1..229, 368..438, 603..810		
GI Descrip.	(AF180734) dynamin-like protein 5 [Arabidopsis thaliana]		

Seq. No.	4193	Seq. ID	OJ990412_01.9819.C30
Gene No.	8748	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	367	End	725
GI	none	Score	87
Exons	367..438, 368..427, 371..457,	597..725,	603..725

Seq. No.	4193	Seq. ID	OJ990412_01.9819.C30
Gene No.	8748	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	367	End	725
GI	none	Score	76
Exons	367..438, 368..433, 597..725,	603..671,	604..723

Seq. No.	4193	Seq. ID	OJ990412_01.9819.C30

Gene No.	8748	Strand	-
Start	1	End	810
Name	OJ990412_01.9819.C30.o1.gs	Method	GENSCAN
Start	368	End	677
GI	none	Score	.89
Exons	368..438, 603..677		

Seq. No.	4194	Seq. ID	OJ990412_01.9819.C31
Gene No.	8749	Strand	-
Start	1	End	804
Name	OJ990412_01.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	804
GI	5091513	Score	532
Exons	1..804		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4194	Seq. ID	OJ990412_01.9819.C31
Gene No.	8749	Strand	-
Start	1	End	804
Name	OJ990412_01.9819.C31.o1.gs	Method	GENSCAN
Start	136	End	739
GI	none	Score	.61
Exons	136..739		

Seq. No.	4195	Seq. ID	OJ990612_47.9927.C1
Gene No.	8750	Strand	-
Start	1	End	1226
Name	OJ990612_47.9927.C1.o1.np	Method	AAT/NAP
Start	1	End	1226
GI	3878681	Score	83
Exons	1..48, 162..335, 425..510, 1194..1226		
GI Descrip.	(Z68337) Similarity to Yeast hypothetical protein YHX1 (SW:YHX1_YEAST); cDNA EST EMBL:D36237 comes from this gene; cDNA EST yk265e8.5 comes from this gene; cDNA EST yk281g8.5 comes from this gene; cDNA EST yk326g6.5 comes fro... gi|3881168|emb|CAA21650.1| (AL032641) Similarity to Yeast hypothetical protein YHX1 (SW:YHX1_YEAST); cDNA EST EMBL:D36237 comes from this gene;		

Seq. No.	4195	Seq. ID	OJ990612_47.9927.C1
Gene No.	8750	Strand	-
Start	1	End	1226
Name	OJ990612_47.9927.C1.o1.gs	Method	GENSCAN
Start	1067	End	1174
GI	none	Score	.53
Exons	1067..1174		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8751	Strand	+
Start	732	End	4016
Name	OJ990612_47.9927.C2.o1.gs	Method	GENSCAN
Start	732	End	4016
GI	none	Score	.55
Exons	732..799, 976..1170, 3962..4016		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8752	Strand	+

Start	8614	End	9004
Name	OJ990612_47.9927.C2.o1.gp	Method	AAT/GAP
Start	8614	End	9004
GI	52637_1.R1084	Score	715
Exons	8614..9004		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8753	Strand	-
Start	4527	End	6757
Name	OJ990612_47.9927.C2.o2.gs	Method	GENSCAN
Start	4527	End	6757
GI	none	Score	.5
Exons	4527..4715, 6680..6757		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o2.tw	Method	TBLASTX:Wheat
Start	4524	End	6839
GI	none	Score	134
Exons	4524..4679, 4524..4739, 4525..4716, 6637..6831, 6647..6838, 6648..6839		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o2.tm	Method	TBLASTX:Maize
Start	4527	End	6830
GI	none	Score	141
Exons	4527..4709, 4531..4710, 6648..6830		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o1.tm	Method	TBLASTX:Maize
Start	8756	End	9709
GI	none	Score	126
Exons	8756..8812, 8875..9315, 8909..9040, 9212..9307, 9316..9393, 9344..9394, 9412..9495, 9440..9496, 9535..9699, 9536..9709		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o3.gs	Method	GENSCAN
Start	8836	End	9693
GI	none	Score	.98
Exons	8836..9693		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o1.tw	Method	TBLASTX:Wheat
Start	8962	End	9252
GI	none	Score	118
Exons	8962..9252, 8963..9040, 9209..9250		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o2.gp	Method	AAT/GAP
Start	9111	End	9484
GI	none	Score	710
Exons	9111..9484		

Seq. No.	4196	Seq. ID	OJ990612_47.9927.C2
Gene No.	8754	Strand	-
Start	8836	End	9709
Name	OJ990612_47.9927.C2.o3.tw	Method	TBLASTX:Wheat
Start	9346	End	9619
GI	none	Score	103
Exons	9346..9393, 9412..9495, 9535..9618, 9536..9619		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8755	Strand	+
Start	3583	End	4891
Name	OJ990612_47.9927.C3.o3.np	Method	AAT/NAP
Start	3583	End	4891
GI	5777617	Score	71
Exons	3583..3606, 4782..4891		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8756	Strand	-
Start	1	End	402
Name	OJ990612_47.9927.C3.o1.np	Method	AAT/NAP
Start	1	End	378
GI	1171577	Score	174
Exons	1..378		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8756	Strand	-
Start	1	End	402
Name	OJ990612_47.9927.C3.o1.gs	Method	GENSCAN
Start	19	End	402
GI	none	Score	.9
Exons	19..402		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8756	Strand	-
Start	1	End	402
Name	OJ990612_47.9927.C3.o1.gp	Method	AAT/GAP
Start	55	End	352
GI	uC-osroM202010b08a1	Score	580
Exons	55..352		
GI Descrip.	'1843440/emb|CAA94432| 4.0e-12 (Z70521) unknown [Cucumis melo]'		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8757	Strand	-
Start	1260	End	4284
Name	OJ990612_47.9927.C3.o2.gp	Method	AAT/GAP
Start	1260	End	1574

GI	none	Score	584
Exons	1260..1574		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8757	Strand	-
Start	1260	End	4284
Name	OJ990612_47.9927.C3.o2.np	Method	AAT/NAP
Start	1435	End	4230
GI	6978038	Score	402
Exons	1435..2300, 3798..4230		
GI Descrip.	(AF190130) taxadienol acetyl transferase [Taxus cuspidata]		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8757	Strand	-
Start	1260	End	4284
Name	OJ990612_47.9927.C3.o2.gs	Method	GENSCAN
Start	1450	End	4224
GI	none	Score	.86
Exons	1450..2292, 3793..4224		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8757	Strand	-
Start	1260	End	4284
Name	OJ990612_47.9927.C3.o3.gp	Method	AAT/GAP
Start	3815	End	4284
GI	none	Score	917
Exons	3815..4284		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306
Name	OJ990612_47.9927.C3.o2.tm	Method	TBLASTX:Maize
Start	1	End	4228
GI	none	Score	84
Exons	1..120, 1..345, 2..346, 3886..4086, 3887..4039, 4048..4155, 4085..4228		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306
Name	OJ990612_47.9927.C3.o3.tw	Method	TBLASTX:Wheat
Start	1438	End	1575
GI	none	Score	128
Exons	1438..1575, 1454..1573, 1477..1575		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306
Name	OJ990612_47.9927.C3.o1.tm	Method	TBLASTX:Maize
Start	1448	End	3885
GI	none	Score	1047
Exons	1448..2290, 1448..1819, 1450..2097, 1489..2307, 1946..2290, 2134..2295, 3738..3836, 3793..3870, 3856..3885		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306

Name	OJ990612_47.9927.C3.o1.tw	Method	TBLASTX:Wheat
Start	1576	End	1867
GI	none	Score	203
Exons	1576..1866, 1577..1867		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306
Name	OJ990612_47.9927.C3.o2.tw	Method	TBLASTX:Wheat
Start	1956	End	2225
GI	none	Score	95
Exons	1956..2051, 1960..2097, 1961..2218, 1980..2225		

Seq. No.	4197	Seq. ID	OJ990612_47.9927.C3
Gene No.	8758	Strand	-
Start	4415	End	8306
Name	OJ990612_47.9927.C3.o3.gs	Method	GENSCAN
Start	4415	End	8306
GI	none	Score	.7
Exons	4415..4732, 5273..5571, 8204..8306		

Seq. No.	4198	Seq. ID	OJ990612_47.9927.C4
Gene No.	8759	Strand	-
Start	1	End	1190
Name	OJ990612_47.9927.C4.o1.np	Method	AAT/NAP
Start	1	End	1190
GI	4558665	Score	493
Exons	1..1190		
GI Descrip.	(AC007063) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	4198	Seq. ID	OJ990612_47.9927.C4
Gene No.	8759	Strand	-
Start	1	End	1190
Name	OJ990612_47.9927.C4.o1.tc	Method	TBLASTX:Cress
Start	272	End	595
GI	none	Score	60
Exons	272..595, 291..383, 444..548		

Seq. No.	4198	Seq. ID	OJ990612_47.9927.C4
Gene No.	8759	Strand	-
Start	1	End	1190
Name	OJ990612_47.9927.C4.o1.tm	Method	TBLASTX:Maize
Start	368	End	602
GI	none	Score	168
Exons	368..601, 375..602		

Seq. No.	4198	Seq. ID	OJ990612_47.9927.C4
Gene No.	8759	Strand	-
Start	1	End	1190
Name	OJ990612_47.9927.C4.o2.tm	Method	TBLASTX:Maize
Start	741	End	981
GI	none	Score	69
Exons	741..851, 750..848, 876..980, 880..981		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8760	Strand	+
Start	379	End	4779

Name	OJ990612_47.9927.C5.o1.gs	Method	GENSCAN
Start	379	End	4779
GI	none	Score	.55
Exons	379..425, 1603..1713, 4002..4279, 4326..4455, 4668..4779		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8761	Strand	+
Start	6052	End	6513
Name	OJ990612_47.9927.C5.o2.gs	Method	GENSCAN
Start	6052	End	6513
GI	none	Score	.82
Exons	6052..6213, 6364..6513		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o1.tm	Method	TBLASTX:Maize
Start	7426	End	7847
GI	none	Score	159
Exons	7426..7473, 7467..7682, 7468..7683, 7469..7687, 7470..7691, 7750..7842, 7752..7847		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o1.np	Method	AAT/NAP
Start	7647	End	12317
GI	6815097	Score	3317
Exons	7647..8412, 8554..10217, 10332..10943, 11449..12317		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o2.tm	Method	TBLASTX:Maize
Start	7848	End	8129
GI	none	Score	147
Exons	7848..8129, 7849..8127		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o3.gs	Method	GENSCAN
Start	7941	End	12015
GI	none	Score	.5
Exons	7941..8579, 8685..10233, 10336..10413, 10556..11040, 11313..11437, 11675..12015		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o1.tw	Method	TBLASTX:Wheat
Start	8127	End	8933
GI	none	Score	147
Exons	8127..8207, 8475..8552, 8613..8660, 8694..8933		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o3.tm	Method	TBLASTX:Maize
Start	8490	End	8924
GI	none	Score	134
Exons	8490..8660, 8700..8924		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o1.ts	Method	TBLASTX:Soybean
Start	8581	End	9026
GI	5509260	Score	77
Exons	8581..8661, 8589..8660, 8688..9026, 8820..9023		
GI Descrip.	-		

Seq. No.	4199	Seq. ID	OJ990612_47.9927.C5
Gene No.	8762	Strand	-
Start	7941	End	12317
Name	OJ990612_47.9927.C5.o1.tc	Method	TBLASTX:Cress
Start	8712	End	8972
GI	none	Score	72
Exons	8712..8972, 8713..8970		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8763	Strand	+
Start	393	End	9685
Name	OJ990612_47.9927.C6.o1.gs	Method	GENSCAN
Start	393	End	5620
GI	none	Score	.78
Exons	393..590, 605..775, 780..1049, 1831..1884, 2288..2838, 3987..4097, 4565..4747, 4956..5082, 5493..5620		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8763	Strand	+
Start	393	End	9685
Name	OJ990612_47.9927.C6.o1.np	Method	AAT/NAP
Start	2347	End	9682
GI	6682630	Score	2159
Exons	2347..2838, 3410..3514, 3987..4097, 4565..4747, 4956..5082, 5226..5287, 5528..5614, 6593..6679, 7100..7213, 7398..7526, 7725..7787, 8224..8385, 8502..8620, 8692..9009, 9102..9682		
GI Descrip.	(AC016163) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8763	Strand	+
Start	393	End	9685
Name	OJ990612_47.9927.C6.o1.gp	Method	AAT/GAP
Start	5054	End	6655
GI	uC-osflm202002e07b1	Score	406
Exons	5054..5082, 5226..5287, 5528..5614, 6593..6655		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8763	Strand	+

Start	393	End	9685
Name	OJ990612_47.9927.C6.o2.gs	Method	GENSCAN
Start	6626	End	9685
GI	none	Score	.92
Exons	6626..6679, 7398..7526, 7725..7787, 8224..8385, 8469..8620, 8692..9685		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8763	Strand	+
Start	393	End	9685
Name	OJ990612_47.9927.C6.o2.gp	Method	AAT/GAP
Start	8786	End	8926
GI	none	Score	237
Exons	8786..8926		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8764	Strand	+
Start	31420	End	33319
Name	OJ990612_47.9927.C6.o7.gs	Method	GENSCAN
Start	31420	End	33319
GI	none	Score	.49
Exons	31420..31579, 32970..33319		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8765	Strand	-
Start	9687	End	10061
Name	OJ990612_47.9927.C6.o3.gp	Method	AAT/GAP
Start	9687	End	10061
GI	none	Score	693
Exons	9687..10061		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8766	Strand	-
Start	10899	End	11630
Name	OJ990612_47.9927.C6.o3.gs	Method	GENSCAN
Start	10899	End	11630
GI	none	Score	.45
Exons	10899..11047, 11447..11630		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8767	Strand	-
Start	14646	End	17062
Name	OJ990612_47.9927.C6.o4.gs	Method	GENSCAN
Start	14646	End	17062
GI	none	Score	.47
Exons	14646..14696, 15659..15755, 15760..15892, 16235..16375, 16867..16938, 16981..17062		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8768	Strand	-
Start	27243	End	30049
Name	OJ990612_47.9927.C6.o6.gs	Method	GENSCAN
Start	27243	End	30049
GI	none	Score	.65
Exons	27243..27340, 27722..27883, 29929..30049		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6

Gene No.	8769	Strand	-
Start	34941	End	35313
Name	OJ990612_47.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	2181	End	2709
GI	none	Score	380
Exons	2181..2252, 2346..2576, 2347..2709		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8769	Strand	-
Start	34941	End	35313
Name	OJ990612_47.9927.C6.o4.tm	Method	TBLASTX:Maize
Start	2709	End	2841
GI	none	Score	209
Exons	2709..2798, 2710..2838, 2782..2841		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8769	Strand	-
Start	34941	End	35313
Name	OJ990612_47.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	3408	End	9397
GI	none	Score	176
Exons	3408..3512, 3410..3514, 3410..3514, 3430..3528, 3981..4097, 3984..4097, 3985..4098, 3986..4099, 3986..4099, 4551..4745, 4564..4746, 4565..4747, 4565..4747, 4946..5083, 4947..5084, 4966..5085, 5218..5289, 5225..5287, 5228..5299, 5229..5288, 5516..5614, 5522..5617, 5527..5616, 5529..5618, 6560..6679, 6590..6679, 6592..6684, 6595..6681, 7093..7203, 7097..7213, 7099..7203, 7384..7521, 7395..7529, 7395..7526, 7397..7534, 7722..7790, 7739..7813, 8223..8384, 8223..8384, 8224..8385, 8499..8618, 8499..8618, 8501..8620, 8506..8628, 8507..8620, 8689..8793, 8690..8794, 8691..8798, 8839..8928, 8840..8926, 8920..8991, 8921..8992, 8926..9009, 8927..9007, 8928..9008, 9000..9395, 9014..9397, 9090..9395, 9101..9397		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8769	Strand	-
Start	34941	End	35313
Name	OJ990612_47.9927.C6.o3.tm	Method	TBLASTX:Maize
Start	9412	End	9809
GI	none	Score	118
Exons	9412..9513, 9413..9493, 9523..9636, 9523..9627, 9533..9628, 9548..9664, 9624..9722, 9716..9787, 9717..9809		

Seq. No.	4200	Seq. ID	OJ990612_47.9927.C6
Gene No.	8769	Strand	-
Start	34941	End	35313
Name	OJ990612_47.9927.C6.o8.gs	Method	GENSCAN
Start	34941	End	35313
GI	none	Score	.46
Exons	34941..35313		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o1.np	Method	AAT/NAP
Start	1	End	2332
GI	6735379	Score	774

Exons	1..31, 578..785, 859..1043, 1133..1466, 1577..1781, 1985..2076, 2183..2332		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o2.tm	Method	TBLASTX:Maize
Start	593	End	1184
GI	none	Score	217
Exons	593..778, 594..794, 690..785, 842..955, 851..955, 957..1049, 963..1049, 970..1053, 982..1050, 1131..1184		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o1.gs	Method	GENSCAN
Start	681	End	2437
GI	none	Score	.94
Exons	681..785, 859..1043, 1133..1466, 1577..1781, 1985..2091, 2183..2314, 2417..2437		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o1.tc	Method	TBLASTX:Cress
Start	979	End	1681
GI	none	Score	74
Exons	979..1062, 1131..1469, 1132..1431, 1172..1456, 1224..1469, 1296..1424, 1574..1681, 1580..1681		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o1.ts	Method	TBLASTX:Soybean
Start	1131	End	1660
GI	none	Score	287
Exons	1131..1469, 1175..1435, 1260..1421, 1580..1660		

Seq. No.	4201	Seq. ID	OJ990612_47.9927.C7
Gene No.	8770	Strand	+
Start	1	End	2437
Name	OJ990612_47.9927.C7.o1.tm	Method	TBLASTX:Maize
Start	1185	End	2329
GI	none	Score	383
Exons	1185..1469, 1190..1456, 1195..1461, 1260..1394, 1574..1759, 1580..1786, 1627..1788, 1681..1788, 1978..2094, 1983..2093, 1993..2094, 1998..2096, 2180..2329, 2180..2326, 2182..2328		

Seq. No.	4202	Seq. ID	OJ990612_47.9927.C8
Gene No.	8771	Strand	-
Start	1525	End	8050
Name	OJ990612_47.9927.C8.o1.gs	Method	GENSCAN
Start	1525	End	7918
GI	none	Score	.66
Exons	1525..1773, 1800..1872, 3125..3257, 3293..3341, 3687..3833, 4078..4193, 5430..5476, 5579..5616, 5943..6161, 6272..6370,		

6397..6495, 6568..6621, 7326..7442, 7799..7918

Seq. No.	4202	Seq. ID	OJ990612_47.9927.C8
Gene No.	8771	Strand	-
Start	1525	End	8050
Name	OJ990612_47.9927.C8.o1.np	Method	AAT/NAP
Start	1791	End	7975
GI	6728979	Score	276
Exons	1791..1943, 3260..3341, 3687..3716, 3744..3833, 3943..3990, 4615..4893, 5392..5476, 5579..5656, 6416..6495, 6568..6639, 7832..7975		
GI Descrip.	(AC018363) zinc finger protein 1 (zfn1) [Arabidopsis thaliana]		

Seq. No.	4202	Seq. ID	OJ990612_47.9927.C8
Gene No.	8771	Strand	-
Start	1525	End	8050
Name	OJ990612_47.9927.C8.o1.tm	Method	TBLASTX:Maize
Start	3267	End	8050
GI	none	Score	83
Exons	3267..3332, 3267..3329, 3291..3344, 3771..3830, 3771..3833, 3777..3833, 3946..3978, 3946..3975, 5395..5475, 5401..5475, 5431..5496, 5581..5628, 5581..5628, 6093..6161, 6096..6161, 6096..6161, 6096..6158, 6098..6163, 6248..6298, 6249..6299, 6258..6299, 6397..6477, 6398..6478, 6399..6485, 6399..6482, 6433..6486, 6434..6496, 6436..6483, 6567..6623, 6567..6623, 6568..6624, 6568..6624, 6571..6600, 7774..8022, 7799..8044, 7799..8050, 7835..7969, 7835..7891, 7862..7924, 7877..7927		

Seq. No.	4202	Seq. ID	OJ990612_47.9927.C8
Gene No.	8771	Strand	-
Start	1525	End	8050
Name	OJ990612_47.9927.C8.o1.gp	Method	AAT/GAP
Start	3943	End	4564
GI	none	Score	1005
Exons	3943..3996, 4078..4564		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8772	Strand	+
Start	100	End	6696
Name	OJ990612_47.9927.C9.o1.gs	Method	GENSCAN
Start	100	End	4891
GI	none	Score	.63
Exons	100..409, 2122..2176, 2336..2430, 3322..3446, 3937..4047, 4153..4219, 4324..4640, 4859..4891		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8772	Strand	+
Start	100	End	6696
Name	OJ990612_47.9927.C9.o1.gp	Method	AAT/GAP
Start	2272	End	3365
GI	569381	Score	560
Exons	2272..2430, 2878..2960, 3288..3365		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8772	Strand	+
Start	100	End	6696
Name	OJ990612_47.9927.C9.o1.np	Method	AAT/NAP

Start	3288	End	5282
GI	5701785	Score	327
Exons	3288..3446, 3937..4057, 4105..4219, 4423..4579, 5159..5282		
GI Descrip.	(AL021749) copper-binding protein-like [Arabidopsis thaliana]		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8772	Strand	+
Start	100	End	6696
Name	OJ990612_47.9927.C9.o2.gp	Method	AAT/GAP
Start	4159	End	4855
GI	none	Score	1130
Exons	4159..4219, 4324..4855		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8772	Strand	+
Start	100	End	6696
Name	OJ990612_47.9927.C9.o2.np	Method	AAT/NAP
Start	4621	End	6696
GI	4006835	Score	63
Exons	4621..4643, 6279..6696		
GI Descrip.	(AC005970) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8773	Strand	-
Start	7676	End	8457
Name	OJ990612_47.9927.C9.o1.tm	Method	TBLASTX:Maize
Start	4027	End	4594
GI	none	Score	40
Exons	4027..4053, 4150..4218, 4150..4227, 4151..4228, 4151..4255, 4323..4547, 4326..4544, 4511..4546, 4544..4582, 4545..4583, 4545..4592, 4547..4594		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8773	Strand	-
Start	7676	End	8457
Name	OJ990612_47.9927.C9.o1.tw	Method	TBLASTX:Wheat
Start	4027	End	4611
GI	none	Score	37
Exons	4027..4053, 4142..4219, 4150..4215, 4150..4224, 4321..4545, 4323..4550, 4323..4544, 4459..4554, 4545..4577, 4545..4586, 4561..4611		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8773	Strand	-
Start	7676	End	8457
Name	OJ990612_47.9927.C9.o2.tm	Method	TBLASTX:Maize
Start	6609	End	6771
GI	none	Score	224
Exons	6609..6743, 6610..6771, 6613..6768		

Seq. No.	4203	Seq. ID	OJ990612_47.9927.C9
Gene No.	8773	Strand	-
Start	7676	End	8457
Name	OJ990612_47.9927.C9.o3.np	Method	AAT/NAP
Start	7676	End	8457
GI	6006372	Score	145
Exons	7676..7887, 8204..8457		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8774	Strand	+
Start	4442	End	9465
Name	OJ990612_47.9927.C10.o2.gs	Method	GENSCAN
Start	4442	End	9465
GI	none	Score	.66
Exons	4442..4476, 4905..5034, 5393..6543, 6589..6782, 6903..7402, 9205..9465		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8774	Strand	+
Start	4442	End	9465
Name	OJ990612_47.9927.C10.o3.np	Method	AAT/NAP
Start	5693	End	7527
GI	4580990	Score	767
Exons	5693..5750, 5823..7025, 7053..7527		
GI Descrip.	(AF120335) putative transposase [Arabidopsis thaliana]		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8775	Strand	-
Start	45	End	5051
Name	OJ990612_47.9927.C10.o1.gs	Method	GENSCAN
Start	45	End	3434
GI	none	Score	.51
Exons	45..502, 564..858, 1927..2799, 3053..3434		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8775	Strand	-
Start	45	End	5051
Name	OJ990612_47.9927.C10.o1.np	Method	AAT/NAP
Start	836	End	5051
GI	6815107	Score	608
Exons	836..858, 1700..2119, 2347..2503, 2621..3791, 5025..5051		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8775	Strand	-
Start	45	End	5051
Name	OJ990612_47.9927.C10.o2.np	Method	AAT/NAP
Start	3567	End	3821
GI	1084404	Score	110
Exons	3567..3821		
GI Descrip.	hypothetical protein - tomato gi|667069 (L22186) ORF [Lycopersicon esculentum]		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8776	Strand	-
Start	5025	End	5693
Name	OJ990612_47.9927.C10.o1.gp	Method	AAT/GAP
Start	5025	End	5693
GI	5803303	Score	1268
Exons	5025..5693		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10

Gene No.	8777	Strand	-
Start	8481	End	9789
Name	OJ990612_47.9927.C10.o4.np	Method	AAT/NAP
Start	8481	End	9789
GI	5777617	Score	77
Exons	8481..8580, 9765..9789		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o6.tm	Method	TBLASTX:Maize
Start	2114	End	2608
GI	none	Score	71
Exons	2114..2293, 2142..2216, 2336..2401, 2370..2402, 2426..2608, 2490..2591		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o2.ts	Method	TBLASTX:Soybean
Start	2576	End	3141
GI	none	Score	62
Exons	2576..2698, 2812..2955, 2970..3140, 3061..3141		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o4.tm	Method	TBLASTX:Maize
Start	2818	End	3200
GI	none	Score	87
Exons	2818..2958, 2937..3200, 3022..3198		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o3.tm	Method	TBLASTX:Maize
Start	3414	End	3795
GI	none	Score	39
Exons	3414..3602, 3415..3495, 3590..3751, 3591..3761, 3591..3782, 3610..3795		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o5.tm	Method	TBLASTX:Maize
Start	5840	End	6052
GI	none	Score	226
Exons	5840..6052, 5840..6010		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o5.ts	Method	TBLASTX:Soybean
Start	5846	End	6313
GI	none	Score	113
Exons	5846..6028, 6041..6313		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o2.tm	Method	TBLASTX:Maize
Start	6062	End	7426
GI	none	Score	166
Exons	6062..6274, 6257..6856, 6866..6952, 7217..7348, 7307..7426		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o3.ts	Method	TBLASTX:Soybean
Start	6335	End	6958
GI	none	Score	197
Exons	6335..6856, 6866..6958		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o6.ts	Method	TBLASTX:Soybean
Start	7223	End	7432
GI	none	Score	206
Exons	7223..7432, 7240..7431		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o5.np	Method	AAT/NAP
Start	11807	End	14548
GI	4926827	Score	1132
Exons	11807..12015, 12153..12246, 12326..12406, 12550..12598, 12701..12786, 12872..13099, 13217..13255, 13331..13420, 13513..13722, 13820..13866, 13964..14016, 14112..14172, 14271..14354, 14495..14548		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o3.gs	Method	GENSCAN
Start	11819	End	14172
GI	none	Score	.92
Exons	11819..12015, 12153..12246, 12326..12406, 12550..12598, 12701..12786, 12872..13099, 13217..13255, 13513..13575, 13964..14026, 14122..14172		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o1.tm	Method	TBLASTX:Maize
Start	11829	End	14312
GI	none	Score	114
Exons	11829..11894, 11972..12022, 12151..12246, 12152..12247, 12323..12409, 12327..12407, 12547..12597, 12549..12599, 12698..12787, 12698..12787, 12700..12795, 12872..13114, 12872..13108, 12873..13118, 12988..13116, 13217..13252,		

13331..13420, 13332..13424, 13511..13582, 13513..13587,
13514..13594, 13825..13866, 13964..14020, 14119..14175,
14271..14312

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o3.tc	Method	TBLASTX:Cress
Start	12122	End	12597
GI	none	Score	93
Exons	12122..12247, 12151..12246, 12309..12407, 12320..12409, 12323..12409, 12547..12597		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o1.ts	Method	TBLASTX:Soybean
Start	12146	End	13555
GI	none	Score	86
Exons	12146..12247, 12151..12246, 12157..12249, 12309..12407, 12321..12377, 12323..12409, 12326..12409, 12547..12597, 12549..12608, 12698..12787, 12700..12795, 12872..13102, 12873..13100, 12877..13101, 12878..13102, 13217..13252, 13317..13424, 13340..13420, 13513..13554, 13514..13555		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o2.gp	Method	AAT/GAP
Start	12767	End	13849
GI	uC-osf1M202040a08b1	Score	852
Exons	12767..12787, 12874..13099, 13217..13255, 13331..13420, 13513..13575, 13653..13722, 13820..13849		
GI Descrip.	'3763925 1.0e-20 (AC004450) putative Af10-protein [Arabidopsis thaliana]'		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o1.tc	Method	TBLASTX:Cress
Start	12917	End	13252
GI	none	Score	201
Exons	12917..13102, 12918..13100, 12952..13113, 12957..13109, 13217..13252		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10
Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o2.tc	Method	TBLASTX:Cress
Start	13331	End	14355
GI	none	Score	94
Exons	13331..13420, 13332..13424, 13347..13463, 13513..13587, 13514..13576, 13825..13866, 13963..14016, 13964..14017, 13967..14020, 13969..14037, 14113..14169, 14114..14140, 14127..14171, 14271..14354, 14275..14355		

Seq. No.	4204	Seq. ID	OJ990612_47.9927.C10

Gene No.	8778	Strand	-
Start	11819	End	14548
Name	OJ990612_47.9927.C10.o4.ts	Method	TBLASTX:Soybean
Start	13823	End	14355
GI	none	Score	61
Exons	13823..13867, 13825..13866, 13964..14023, 13973..14020, 14119..14175, 14269..14355, 14271..14354		

Seq. No.	4205	Seq. ID	OJ990612_47.9927.C11
Gene No.	8779	Strand	-
Start	1	End	637
Name	OJ990612_47.9927.C11.o1.np	Method	AAT/NAP
Start	1	End	637
GI	2498930	Score	722
Exons	1..406, 574..637		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8780	Strand	+
Start	10584	End	11878
Name	OJ990612_46.9903.C1.o2.np	Method	AAT/NAP
Start	10584	End	11557
GI	6318615	Score	749
Exons	10584..11394, 11517..11557		
GI Descrip.	(AF162661) phosphoenolpyruvate carboxylase kinase [Kalanchoe fedtschenkoi] gi|6318617|gb|AAF06970.1|AF162662_1 (AF162662) phosphoenolpyruvate carboxylase kinase [Kalanchoe fedtschenkoi]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8780	Strand	+
Start	10584	End	11878
Name	OJ990612_46.9903.C1.o2.gp	Method	AAT/GAP
Start	11297	End	11878
GI	16760_1.R1084	Score	847
Exons	11297..11394, 11517..11878		
GI Descrip.	'4006914/emb|CAB16844.1| 9.0e-23 (Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]'		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8781	Strand	+
Start	17308	End	22021
Name	OJ990612_46.9903.C1.o5.gs	Method	GENSCAN
Start	17308	End	22021
GI	none	Score	.79
Exons	17308..17623, 18192..18341, 18684..18757, 20625..20747, 20990..21013, 21312..21459, 21957..22021		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8781	Strand	+
Start	17308	End	22021
Name	OJ990612_46.9903.C1.o5.gp	Method	AAT/GAP
Start	20888	End	21078
GI	3763456	Score	321
Exons	20888..21078		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1

Gene No.	8782	Strand	+
Start	36295	End	36717
Name	OJ990612_46.9903.C1.o6.gp	Method	AAT/GAP
Start	36295	End	36717
GI	none	Score	809
Exons	36295..36717		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8783	Strand	+
Start	38836	End	41392
Name	OJ990612_46.9903.C1.o5.np	Method	AAT/NAP
Start	38836	End	41392
GI	6469599	Score	292
Exons	38836..39761, 41374..41392		
GI Descrip.	(AF121336) unknown [Eufolliculina uhligi]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8783	Strand	+
Start	38836	End	41392
Name	OJ990612_46.9903.C1.o7.gp	Method	AAT/GAP
Start	39436	End	39831
GI	uC-osflcyp032e09b1	Score	760
Exons	39436..39831		
GI Descrip.	'3928084 6.0e-36 (AC005770) retrotransposon-like protein [Arabidopsis thaliana]'		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8783	Strand	+
Start	38836	End	41392
Name	OJ990612_46.9903.C1.o8.gp	Method	AAT/GAP
Start	40220	End	40832
GI	11284_1.R1084	Score	1097
Exons	40220..40832		
GI Descrip.	'3763925 1.0e-20 (AC004450) putative Af10-protein [Arabidopsis thaliana]'		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8784	Strand	-
Start	1	End	6471
Name	OJ990612_46.9903.C1.o1.np	Method	AAT/NAP
Start	1	End	3540
GI	2827716	Score	488
Exons	1..255, 542..652, 1674..1832, 2473..2615, 2944..3078, 3380..3540		
GI Descrip.	(AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8784	Strand	-
Start	1	End	6471
Name	OJ990612_46.9903.C1.o1.gs	Method	GENSCAN
Start	542	End	6471
GI	none	Score	.63
Exons	542..652, 1674..1803, 2189..2289, 2958..3078, 3380..3602, 3807..3920, 4102..4201, 4409..4465, 4479..4810, 5137..5256, 5904..6061, 6341..6471		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8785	Strand	-

Start	8119	End	8563
Name	OJ990612_46.9903.C1.o2.gs	Method	GENSCAN
Start	8119	End	8563
GI	none	Score	.63
Exons	8119..8322, 8501..8563		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8786	Strand	-
Start	12875	End	17219
Name	OJ990612_46.9903.C1.o4.gs	Method	GENSCAN
Start	12875	End	17219
GI	none	Score	.76
Exons	12875..12890, 13448..13629, 13889..14011, 14110..14237, 14500..14641, 14738..14833, 15033..15173, 15261..15435, 15836..15968, 16072..16184, 16719..16810, 16922..17016, 17114..17219		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8786	Strand	-
Start	12875	End	17219
Name	OJ990612_46.9903.C1.o3.gp	Method	AAT/GAP
Start	13689	End	14187
GI	568349	Score	778
Exons	13689..14011, 14110..14187		
GI Descrip.	4006914/emb|CAB16844.1| 9.0e-23 (Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8786	Strand	-
Start	12875	End	17219
Name	OJ990612_46.9903.C1.o3.np	Method	AAT/NAP
Start	13841	End	17219
GI	4006914	Score	1395
Exons	13841..14011, 14110..14235, 14519..14641, 14738..14833, 15033..15173, 15261..15435, 15836..15968, 16072..16144, 16219..16312, 16719..16810, 16922..17016, 17114..17219		
GI Descrip.	(Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8787	Strand	-
Start	17233	End	17644
Name	OJ990612_46.9903.C1.o4.gp	Method	AAT/GAP
Start	17233	End	17644
GI	uC-osflm202106a01b1	Score	494
Exons	17233..17282, 17428..17644		
GI Descrip.	'4006914/emb|CAB16844.1| 9.0e-23 (Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]'		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8788	Strand	-
Start	21410	End	27630
Name	OJ990612_46.9903.C1.o4.np	Method	AAT/NAP
Start	21410	End	27220
GI	5852176	Score	2543
Exons	21410..21484, 23000..23123, 23556..23580, 23678..23847, 23930..24191, 24246..24417, 24506..24709, 25594..25815,		

	25891..26421, 27076..27220
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8788	Strand	-
Start	21410	End	27630
Name	OJ990612_46.9903.C1.o6.gs	Method	GENSCAN
Start	22976	End	27630
GI	none	Score	.64
Exons	22976..23123, 23603..23843, 23927..24122, 24191..24417, 24506..24709, 24783..25464, 25559..25815, 25891..26421, 27076..27215, 27581..27630		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o9.ts	Method	TBLASTX:Soybean
Start	1650	End	2238
GI	none	Score	97
Exons	1650..1805, 1663..1806, 1673..1819, 1674..1802, 1684..1806, 1721..1813, 2179..2238		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o4.tm	Method	TBLASTX:Maize
Start	10569	End	11024
GI	none	Score	199
Exons	10569..10721, 10607..10708, 10764..10796, 10809..11024, 10809..11021		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o2.ts	Method	TBLASTX:Soybean
Start	10596	End	11393
GI	none	Score	93
Exons	10596..10718, 10815..11039, 11052..11150, 11111..11146, 11130..11393, 11144..11389		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o2.tc	Method	TBLASTX:Cress
Start	10607	End	11393
GI	none	Score	89
Exons	10607..10702, 10608..10721, 10815..11036, 11052..11150, 11130..11393		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o2.tw	Method	TBLASTX:Wheat
Start	11052	End	11402
GI	none	Score	74
Exons	11052..11150, 11130..11402		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o6.tm	Method	TBLASTX:Maize
Start	11133	End	11599
GI	none	Score	373
Exons	11133..11393, 11135..11395, 11323..11430, 11330..11395, 11507..11599		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o7.tm	Method	TBLASTX:Maize
Start	13850	End	14660
GI	none	Score	162
Exons	13850..14023, 13854..14012, 13872..14027, 14107..14238, 14120..14239, 14154..14249, 14499..14654, 14501..14656, 14502..14660		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o7.ts	Method	TBLASTX:Soybean
Start	13850	End	14014
GI	none	Score	145
Exons	13850..14014, 13854..14012		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o5.tc	Method	TBLASTX:Cress
Start	13871	End	14236
GI	none	Score	102
Exons	13871..14014, 13878..14006, 14110..14229, 14114..14236		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o4.ts	Method	TBLASTX:Soybean
Start	14550	End	16320
GI	none	Score	100
Exons	14550..14642, 14558..14656, 14738..14833, 14742..14888, 14751..14891, 15030..15176, 15031..15174, 15036..15176, 15261..15437, 15262..15435, 15781..15969, 15836..15970, 16073..16153, 16074..16154, 16217..16315, 16219..16320, 16225..16320		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o6.tc	Method	TBLASTX:Cress
Start	15298	End	16154
GI	none	Score	122
Exons	15298..15435, 15298..15435, 15300..15437, 15781..15969, 15836..15970, 16031..16153, 16050..16154		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1

Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o8.tm	Method	TBLASTX:Maize
Start	15940	End	16327
GI	none	Score	106
Exons	15940..15969, 16069..16131, 16073..16153, 16074..16169, 16219..16326, 16223..16324, 16223..16327		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o10.tm	Method	TBLASTX:Maize
Start	23461	End	23637
GI	none	Score	38
Exons	23461..23637, 23464..23490, 23474..23575, 23599..23631		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o1.tw	Method	TBLASTX:Wheat
Start	24176	End	24415
GI	none	Score	106
Exons	24176..24415, 24279..24413		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o4.tc	Method	TBLASTX:Cress
Start	24218	End	26518
GI	none	Score	67
Exons	24218..24415, 24775..25188, 25228..25455, 25286..25453, 25592..25819, 26405..26518		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o9.tm	Method	TBLASTX:Maize
Start	24218	End	24415
GI	none	Score	198
Exons	24218..24415		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o8.ts	Method	TBLASTX:Soybean
Start	24218	End	24430
GI	none	Score	45
Exons	24218..24298, 24303..24332, 24305..24430, 24314..24427		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o1.tc	Method	TBLASTX:Cress
Start	38544	End	39072
GI	none	Score	586
Exons	38544..38900, 38545..38919, 38551..38931, 38552..38932, 38553..38927, 38937..39065, 38940..39062, 38941..39072,		

38941..39066, 38948..39067

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o6.ts	Method	TBLASTX:Soybean
Start	38560	End	38736
GI	none	Score	282
Exons	38560..38736, 38565..38723, 38569..38733		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o3.tm	Method	TBLASTX:Maize
Start	38672	End	39009
GI	none	Score	319
Exons	38672..39001, 38673..39005, 38680..39009, 38680..39009		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o3.ts	Method	TBLASTX:Soybean
Start	39007	End	39486
GI	none	Score	50
Exons	39007..39057, 39079..39393, 39083..39388, 39117..39392, 39352..39486, 39378..39467, 39400..39468		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o2.tm	Method	TBLASTX:Maize
Start	39112	End	39644
GI	none	Score	455
Exons	39112..39483, 39117..39482, 39546..39644, 39547..39642		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o7.tc	Method	TBLASTX:Cress
Start	39118	End	39312
GI	none	Score	195
Exons	39118..39312, 39123..39305		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o5.ts	Method	TBLASTX:Soybean
Start	39574	End	39876
GI	none	Score	327
Exons	39574..39876, 39576..39758, 39819..39875		

Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o5.tm	Method	TBLASTX:Maize
Start	39645	End	39888
GI	none	Score	281

Exons	39645..39887, 39646..39888, 39646..39885, 39675..39887		
Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o3.tc	Method	TBLASTX:Cress
Start	39891	End	40290
GI	none	Score	80
Exons	39891..39950, 39895..39954, 40005..40289, 40006..40290		
Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o1.ts	Method	TBLASTX:Soybean
Start	40005	End	40394
GI	none	Score	478
Exons	40005..40124, 40006..40389, 40153..40389, 40161..40394		
Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o1.tm	Method	TBLASTX:Maize
Start	40072	End	40472
GI	none	Score	535
Exons	40072..40395, 40074..40421, 40075..40407, 40077..40427, 40082..40426, 40405..40467, 40407..40472, 40408..40467		
Seq. No.	4206	Seq. ID	OJ990612_46.9903.C1
Gene No.	8789	Strand	-
Start	40771	End	42198
Name	OJ990612_46.9903.C1.o8.gs	Method	GENSCAN
Start	40771	End	42198
GI	none	Score	.62
Exons	40771..41026, 41406..41612, 41911..42198		
Seq. No.	4207	Seq. ID	OJ990612_46.9903.C2
Gene No.	8790	Strand	+
Start	1	End	1877
Name	OJ990612_46.9903.C2.o1.np	Method	AAT/NAP
Start	1	End	841
GI	6063557	Score	415
Exons	1..141, 259..445, 694..841		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	4207	Seq. ID	OJ990612_46.9903.C2
Gene No.	8790	Strand	+
Start	1	End	1877
Name	OJ990612_46.9903.C2.o1.gs	Method	GENSCAN
Start	195	End	1877
GI	none	Score	.45
Exons	195..401, 667..802, 1067..1130, 1218..1385, 1764..1877		
Seq. No.	4207	Seq. ID	OJ990612_46.9903.C2
Gene No.	8791	Strand	-
Start	716	End	866
Name	OJ990612_46.9903.C2.o1.gp	Method	AAT/GAP
Start	716	End	866

GI	uC-osf1cyp169h02b1	Score	204
Exons	716..866		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8792	Strand	+
Start	1385	End	2905
Name	OJ990612_46.9903.C3.o1.np	Method	AAT/NAP
Start	1385	End	2905
GI	3763925	Score	674
Exons	1385..1419, 1536..1587, 1736..1815, 1909..1987, 2115..2198, 2310..2455, 2551..2905		
GI Descrip.	(AC004450) putative clathrin binding protein (epsin) [Arabidopsis thaliana]		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8792	Strand	+
Start	1385	End	2905
Name	OJ990612_46.9903.C3.o1.gp	Method	AAT/GAP
Start	2124	End	2734
GI	2799744	Score	645
Exons	2124..2198, 2310..2455, 2551..2734		
GI Descrip.	3763925 1.0e-20 (AC004450) putative Af10-protein [Arabidopsis thaliana]		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8793	Strand	+
Start	3764	End	6253
Name	OJ990612_46.9903.C3.o2.np	Method	AAT/NAP
Start	3764	End	5871
GI	3763926	Score	445
Exons	3764..3953, 4337..5065, 5138..5285, 5369..5871		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8793	Strand	+
Start	3764	End	6253
Name	OJ990612_46.9903.C3.o2.gp	Method	AAT/GAP
Start	3887	End	4752
GI	none	Score	966
Exons	3887..3953, 4319..4752		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8793	Strand	+
Start	3764	End	6253
Name	OJ990612_46.9903.C3.o3.gp	Method	AAT/GAP
Start	5619	End	6253
GI	none	Score	1251
Exons	5619..6253		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8794	Strand	+
Start	12621	End	15847
Name	OJ990612_46.9903.C3.o4.np	Method	AAT/NAP
Start	12621	End	15847
GI	5852093	Score	56

Exons	12621..12686, 13992..14107, 15820..15847		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8795	Strand	+
Start	21513	End	21983
Name	OJ990612_46.9903.C3.o4.gp	Method	AAT/GAP
Start	21513	End	21983
GI	none	Score	942
Exons	21513..21983		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o6.np	Method	AAT/NAP
Start	752	End	25927
GI	1076802	Score	235
Exons	752..808, 5472..5886, 9551..9654, 10622..11040, 19719..19765, 22435..22854, 23014..23143, 23978..24240, 25881..25927		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o2.tm	Method	TBLASTX:Maize
Start	1359	End	2432
GI	none	Score	47
Exons	1359..1418, 1373..1420, 1375..1422, 1536..1586, 1537..1605, 1537..1587, 1733..1813, 1735..1806, 1910..1987, 1910..1987, 1912..1992, 1956..1997, 2104..2202, 2112..2195, 2114..2209, 2115..2222, 2308..2412, 2310..2408, 2316..2432		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o4.tc	Method	TBLASTX:Cress
Start	1385	End	2198
GI	none	Score	53
Exons	1385..1420, 1537..1605, 1719..1778, 1733..1813, 1738..1815, 1901..1987, 1910..1987, 1957..2001, 2118..2198		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o4.ts	Method	TBLASTX:Soybean
Start	1391	End	2456
GI	none	Score	44
Exons	1391..1420, 1537..1596, 1733..1810, 1741..1812, 1912..2001, 1912..2001, 1913..2002, 2114..2197, 2117..2203, 2118..2222, 2346..2456		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o1.tm	Method	TBLASTX:Maize

Start	2769	End	6279
GI	none	Score	125
Exons	2769..2894, 2778..2894, 2780..2896, 3054..3092, 3054..3110, 3055..3096, 3169..3282, 3180..3233, 3203..3286, 3357..3446, 3357..3542, 3358..3543, 3403..3543, 3422..3547, 3751..3954, 3752..3952, 3753..3956, 3789..3953, 4324..4560, 4324..4566, 4325..4567, 4561..4659, 4561..4635, 4571..4651, 4753..4872, 4754..4873, 4755..4877, 4850..5290, 4873..5283, 5072..5284, 5082..5321, 5348..5554, 5370..5495, 5371..5574, 5377..5574, 5535..5612, 5546..5650, 5576..5614, 5577..5615, 5588..5662, 5592..5663, 5595..5654, 5615..5695, 5616..5762, 5645..5737, 5645..5737, 5670..5801, 5676..5795, 5697..5750, 5698..5814, 5699..5806, 5752..5907, 5755..5823, 5801..5830, 5828..5893, 5902..5967, 5926..6012, 5930..5998, 5978..6067, 6022..6069, 6023..6067, 6024..6068, 6057..6137, 6079..6159, 6079..6135, 6178..6279, 6179..6220, 6184..6222, 6210..6233		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o6.tc	Method	TBLASTX:Cress
Start	5138	End	5841
GI	none	Score	132
Exons	5138..5290, 5143..5289, 5368..5451, 5379..5441, 5421..5540, 5422..5541, 5467..5550, 5517..5606, 5654..5680, 5657..5683, 5694..5774, 5695..5820, 5752..5841		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o6.ts	Method	TBLASTX:Soybean
Start	5203	End	5653
GI	none	Score	120
Exons	5203..5289, 5204..5290, 5371..5457, 5379..5441, 5422..5556, 5476..5556, 5636..5653		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o5.ts	Method	TBLASTX:Soybean
Start	9629	End	9793
GI	none	Score	211
Exons	9629..9793, 9637..9792		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o1.tc	Method	TBLASTX:Cress
Start	10102	End	10618
GI	none	Score	788
Exons	10102..10617, 10103..10618		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o3.ts	Method	TBLASTX:Soybean
Start	10897	End	11131

GI	none	Score	166
Exons	10897..11037, 10898..11008, 11008..11118, 11009..11131		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o2.tc	Method	TBLASTX:Cress
Start	11736	End	12050
GI	none	Score	337
Exons	11736..12050, 11738..11785, 11852..12046		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o1.ts	Method	TBLASTX:Soybean
Start	12065	End	12332
GI	none	Score	212
Exons	12065..12196, 12066..12206, 12215..12331, 12215..12331, 12216..12332		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o5.tc	Method	TBLASTX:Cress
Start	12416	End	12764
GI	none	Score	88
Exons	12416..12454, 12432..12602, 12540..12698, 12557..12697, 12705..12764		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o2.gs	Method	GENSCAN
Start	16703	End	24351
GI	none	Score	.68
Exons	16703..16868, 19683..19911, 20549..20611, 20625..20711, 22140..22333, 22466..23358, 24010..24351		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o5.tm	Method	TBLASTX:Maize
Start	21654	End	22112
GI	none	Score	64
Exons	21654..21734, 21656..21736, 21787..21813, 21788..21817, 21843..21884, 21862..21891, 21891..21980, 21892..21981, 21973..22005, 21973..22008, 22070..22111, 22071..22112		
Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o5.np	Method	AAT/NAP
Start	22289	End	24312
GI	2959732	Score	299
Exons	22289..22325, 22484..23143, 24239..24312		
GI Descrip.	(Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] gi|4895246|gb|AAD32831.1|AC007659_13		

(AC007659) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o3.tc	Method	TBLASTX:Cress
Start	22504	End	22707
GI	none	Score	216
Exons	22504..22707, 22514..22699		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o3.tm	Method	TBLASTX:Maize
Start	22504	End	22740
GI	none	Score	211
Exons	22504..22740, 22511..22708		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o2.ts	Method	TBLASTX:Soybean
Start	22510	End	22707
GI	none	Score	231
Exons	22510..22707, 22514..22699		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o5.gp	Method	AAT/GAP
Start	22621	End	23052
GI	uC-osroM202001c10a1	Score	856
Exons	22621..23052		
GI Descrip.	'2959732/emb|CAA74000| 3.0e-09 (Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] >gi_4895246_gb_AAD32831.1_AC007659_13 (AC007659) putative GATA-binding transcription factor [Arabidopsis thaliana]'		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o4.tm	Method	TBLASTX:Maize
Start	23023	End	23364
GI	none	Score	108
Exons	23023..23052, 23117..23257, 23128..23247, 23266..23364, 23278..23346		

Seq. No.	4208	Seq. ID	OJ990612_46.9903.C3
Gene No.	8796	Strand	-
Start	752	End	25927
Name	OJ990612_46.9903.C3.o3.gs	Method	GENSCAN
Start	25248	End	25449
GI	none	Score	.89
Exons	25248..25449		

Seq. No.	4209	Seq. ID	OJ990612_46.9903.C4

Gene No.	8797	Strand	+
Start	54	End	500
Name	OJ990612_46.9903.C4.o1.gp	Method	AAT/GAP
Start	54	End	500
GI	none	Score	846
Exons	54..500		

Seq. No.	4209	Seq. ID	OJ990612_46.9903.C4
Gene No.	8798	Strand	+
Start	809	End	1111
Name	OJ990612_46.9903.C4.o1.gs	Method	GENSCAN
Start	809	End	1111
GI	none	Score	.83
Exons	809..1111		

Seq. No.	4209	Seq. ID	OJ990612_46.9903.C4
Gene No.	8799	Strand	-
Start	4915	End	5785
Name	OJ990612_46.9903.C4.o4.gs	Method	GENSCAN
Start	4915	End	5785
GI	none	Score	.57
Exons	4915..5180, 5626..5785		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8800	Strand	+
Start	2201	End	6014
Name	OJ990612_46.9903.C5.o1.gs	Method	GENSCAN
Start	2201	End	5149
GI	none	Score	.57
Exons	2201..2309, 2377..2542, 3885..4112, 4438..4729, 4735..4945, 5061..5149		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8800	Strand	+
Start	2201	End	6014
Name	OJ990612_46.9903.C5.o1.np	Method	AAT/NAP
Start	4592	End	6014
GI	6907088	Score	774
Exons	4592..4729, 4905..5143, 5631..6014		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8801	Strand	+
Start	9134	End	14572
Name	OJ990612_46.9903.C5.o3.gs	Method	GENSCAN
Start	9134	End	14572
GI	none	Score	.58
Exons	9134..9362, 10099..10243, 12652..12748, 13123..13298, 13648..13709, 14415..14572		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o4.gs	Method	GENSCAN
Start	16384	End	26046
GI	none	Score	.77
Exons	16384..16494, 16557..16768, 16833..17041, 17144..17271,		

17620..17718, 18182..18334, 18918..19021, 19188..19255,
19629..19733, 20409..20849, 20941..21180, 21273..21439,
21531..21711, 21799..21851, 21991..22134, 22286..22390,
22861..22986, 23075..23272, 23643..23749, 23908..24070,
24282..24347, 24441..24534, 24675..24787, 25011..25132,
25274..25475, 25600..26046

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o4.gp	Method	AAT/GAP
Start	16627	End	18226
GI	10521_1.R1084	Score	1025
Exons	16627..16768, 16890..17041, 17144..17271, 17620..17718, 18182..18226		
GI Descrip.	'2388911/emb|CAB11648.1| 2.0e-36 (Z98974) hypothetical PSU1-like protein [Schizosaccharomyces pombe]'		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o3.np	Method	AAT/NAP
Start	16719	End	23780
GI	2388911	Score	307
Exons	16719..16768, 16890..17041, 17144..17271, 17620..17718, 18182..18334, 18918..19025, 23762..23780		
GI Descrip.	(Z98974) hypothetical PSU1-like protein [Schizosaccharomyces pombe]		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o5.gp	Method	AAT/GAP
Start	18938	End	20007
GI	30689_1.R1084	Score	980
Exons	18938..19021, 19188..19255, 19629..20007		
GI Descrip.	'3402685 5.0e-31 (AC004697) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o4.np	Method	AAT/NAP
Start	20669	End	26028
GI	3402685	Score	1348
Exons	20669..20774, 21273..21507, 21638..21711, 21799..21851, 21991..22134, 22286..22390, 22861..22986, 23075..23272, 23643..23749, 23908..24070, 24282..24347, 24441..24534, 24675..24787, 25062..25174, 25564..25771, 25802..26028		
GI Descrip.	(AC004697) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8802	Strand	+
Start	16384	End	26046
Name	OJ990612_46.9903.C5.o6.gp	Method	AAT/GAP
Start	22843	End	23673
GI	3768340	Score	631

Exons	22843..22986, 23075..23272, 23643..23673		
GI Descrip.	3402685 5.0e-31 (AC004697) unknown protein [Arabidopsis thaliana]		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8803	Strand	-
Start	6075	End	7810
Name	OJ990612_46.9903.C5.o2.gs	Method	GENSCAN
Start	6075	End	7810
GI	none	Score	.4
Exons	6075..6231, 7270..7376, 7730..7810		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8803	Strand	-
Start	6075	End	7810
Name	OJ990612_46.9903.C5.o1.gp	Method	AAT/GAP
Start	6774	End	6861
GI	5867_1.R1084	Score	139
Exons	6774..6861		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o2.np	Method	AAT/NAP
Start	10936	End	16990
GI	3928085	Score	701
Exons	10936..11239, 15452..15891, 16854..16990		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o2.tm	Method	TBLASTX:Maize
Start	10954	End	15791
GI	none	Score	361
Exons	10954..11241, 10967..11242, 10967..11242, 15451..15546, 15451..15549, 15488..15550, 15547..15789, 15555..15791		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o1.ts	Method	TBLASTX:Soybean
Start	10972	End	15900
GI	none	Score	205
Exons	10972..11241, 10976..11254, 15451..15825, 15451..15900, 15617..15853		
Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836

Name	OJ990612_46.9903.C5.o2.tc	Method	TBLASTX:Cress
Start	10972	End	11145
GI	none	Score	202
Exons	10972..11145		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o1.tc	Method	TBLASTX:Cress
Start	15571	End	15864
GI	none	Score	113
Exons	15571..15864, 15640..15852		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o3.gp	Method	AAT/GAP
Start	15679	End	16402
GI	1631517	Score	608
Exons	15679..15848, 16247..16402		
GI Descrip.	3928085 8.0e-17 (AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o3.tm	Method	TBLASTX:Maize
Start	16706	End	19836
GI	none	Score	104
Exons	16706..16768, 16707..16766, 16886..16984, 16887..17036, 16894..17040, 16905..17018, 17143..17271, 17145..17267, 17617..17721, 17619..17720, 18175..18345, 18179..18334, 18917..19018, 18918..19019, 19185..19256, 19189..19257, 19624..19722, 19626..19652, 19628..19687, 19688..19828, 19693..19836, 19693..19827		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o2.ts	Method	TBLASTX:Soybean
Start	16710	End	18325
GI	none	Score	79
Exons	16710..16766, 16887..17036, 16894..17040, 16896..17015, 17143..17271, 17145..17261, 17617..17652, 17619..17642, 17652..17720, 17653..17721, 18172..18324, 18179..18325		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8804	Strand	-
Start	10936	End	19836
Name	OJ990612_46.9903.C5.o3.tc	Method	TBLASTX:Cress
Start	16734	End	17037
GI	none	Score	49
Exons	16734..16766, 16894..17037, 16896..17018		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8805	Strand	
Start	23201	End	24070

Name	OJ990612_46.9903.C5.o5.tm	Method	TBLASTX:Maize
Start	23201	End	24070
GI	none	Score	71
Exons	23201..23275, 23637..23756, 23637..23750, 23660..23752, 23903..24070, 23903..24070		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8805	Strand	
Start	23201	End	24070
Name	OJ990612_46.9903.C5.o3.ts	Method	TBLASTX:Soybean
Start	23643	End	24049
GI	none	Score	157
Exons	23643..23756, 23666..23752, 23903..24049, 23908..24048		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8806	Strand	
Start	24413	End	25134
Name	OJ990612_46.9903.C5.o4.tm	Method	TBLASTX:Maize
Start	24413	End	25134
GI	none	Score	139
Exons	24413..24559, 24421..24555, 24422..24559, 24429..24560, 24438..24635, 24671..24793, 24673..24780, 24681..24794, 25020..25130, 25041..25133, 25060..25134		

Seq. No.	4210	Seq. ID	OJ990612_46.9903.C5
Gene No.	8807	Strand	
Start	25250	End	25997
Name	OJ990612_46.9903.C5.o1.tm	Method	TBLASTX:Maize
Start	25250	End	25997
GI	none	Score	50
Exons	25250..25309, 25260..25310, 25271..25366, 25303..25368, 25305..25361, 25361..25474, 25380..25475, 25380..25475, 25581..25721, 25585..25983, 25585..25980, 25752..25997		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8808	Strand	+
Start	462	End	979
Name	OJ990612_46.9903.C6.o1.gs	Method	GENSCAN
Start	462	End	979
GI	none	Score	.94
Exons	462..573, 896..979		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8809	Strand	+
Start	1629	End	1845
Name	OJ990612_46.9903.C6.o1.gp	Method	AAT/GAP
Start	1629	End	1845
GI	4714477	Score	383
Exons	1629..1845		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o2.tm	Method	TBLASTX:Maize
Start	1779	End	2677
GI	none	Score	168
Exons	1779..1820, 1822..1974, 1826..2035, 1830..2033, 1832..2035,		

2203..2379, 2213..2380, 2217..2381, 2524..2676, 2555..2677

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o2.ts	Method	TBLASTX:Soybean
Start	1836	End	1994
GI	none	Score	101
Exons	1836..1991, 1836..1994		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o1.np	Method	AAT/NAP
Start	1839	End	3804
GI	3080402	Score	972
Exons	1839..2032, 2216..2374, 2559..2666, 2766..2847, 2929..3108, 3544..3804		
GI Descrip.	(AL022603) putative NADPH quinone oxidoreductase [Arabidopsis thaliana] gi|4455266|emb|CAB36802.1| (AL035527) putative NADPH quinone oxidoreductase [Arabidopsis thaliana]		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o2.tc	Method	TBLASTX:Cress
Start	1845	End	2392
GI	none	Score	101
Exons	1845..2030, 1852..1974, 2214..2375, 2215..2376, 2300..2392		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o2.gs	Method	GENSCAN
Start	2199	End	3933
GI	none	Score	.56
Exons	2199..2404, 2559..2666, 2766..2847, 2929..3108, 3544..3933		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o1.tc	Method	TBLASTX:Cress
Start	2572	End	3111
GI	none	Score	120
Exons	2572..2610, 2629..2679, 2726..2842, 2764..2847, 2804..2857, 2926..3111, 2930..3109		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o1.ts	Method	TBLASTX:Soybean
Start	2602	End	3807
GI	none	Score	69
Exons	2602..2679, 2603..2677, 2729..2842, 2764..2853, 2764..2853, 2926..3111, 2948..3109, 2962..3111, 3541..3567, 3565..3693, 3757..3807		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o1.tm	Method	TBLASTX:Maize
Start	2764	End	3846
GI	none	Score	151
Exons	2764..2847, 2765..2848, 2926..3111, 2929..3111, 3541..3696, 3542..3694, 3748..3846, 3759..3845		

Seq. No.	4211	Seq. ID	OJ990612_46.9903.C6
Gene No.	8810	Strand	-
Start	1839	End	3933
Name	OJ990612_46.9903.C6.o2.gp	Method	AAT/GAP
Start	3567	End	3842
GI	4715131	Score	528
Exons	3567..3842		

Seq. No.	4212	Seq. ID	OJ990612_46.9903.C7
Gene No.	8811	Strand	+
Start	40	End	149
Name	OJ990612_46.9903.C7.o1.gs	Method	GENSCAN
Start	40	End	149
GI	none	Score	.62
Exons	40..149		

Seq. No.	4213	Seq. ID	OJ990612_46.9903.C8
Gene No.	8812	Strand	+
Start	476	End	1070
Name	OJ990612_46.9903.C8.o1.np	Method	AAT/NAP
Start	476	End	1070
GI	2498930	Score	659
Exons	476..539, 707..1070		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4213	Seq. ID	OJ990612_46.9903.C8
Gene No.	8812	Strand	+
Start	476	End	1070
Name	OJ990612_46.9903.C8.o1.gs	Method	GENSCAN
Start	480	End	1009
GI	none	Score	.72
Exons	480..539, 707..1009		

Seq. No.	4214	Seq. ID	OJ990612_46.9903.C9
Gene No.	8813	Strand	-
Start	1	End	610
Name	OJ990612_46.9903.C9.o1.np	Method	AAT/NAP
Start	1	End	610
GI	224021	Score	1023
Exons	1..610		
GI Descrip.	toxin CRM197 [Corynebacterium diphtheriae]		

Seq. No.	4214	Seq. ID	OJ990612_46.9903.C9
Gene No.	8813	Strand	-
Start	1	End	610
Name	OJ990612_46.9903.C9.o1.gs	Method	GENSCAN
Start	287	End	520

GI	none	Score	.9
Exons	287..520		

Seq. No.	4215	Seq. ID	OJ990612_38.9919.C1
Gene No.	8814	Strand	-
Start	1	End	624
Name	OJ990612_38.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	223
GI	4261695	Score	113
Exons	1..81, 131..223		
GI Descrip.	(S67633) class I major histocompatibility antigen [Homo sapiens]		

Seq. No.	4215	Seq. ID	OJ990612_38.9919.C1
Gene No.	8814	Strand	-
Start	1	End	624
Name	OJ990612_38.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	14	End	214
GI	none	Score	82
Exons	14..79, 27..77, 71..214, 83..211, 166..213		

Seq. No.	4215	Seq. ID	OJ990612_38.9919.C1
Gene No.	8814	Strand	-
Start	1	End	624
Name	OJ990612_38.9919.C1.o1.gs	Method	GENSCAN
Start	98	End	398
GI	none	Score	.46
Exons	98..158, 308..398		

Seq. No.	4215	Seq. ID	OJ990612_38.9919.C1
Gene No.	8814	Strand	-
Start	1	End	624
Name	OJ990612_38.9919.C1.o2.np	Method	AAT/NAP
Start	225	End	624
GI	122179	Score	668
Exons	225..624		
GI Descrip.	HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, C-4 ALPHA CHAIN gi|70077|pir||HLHUC4 MHC class I histocompatibility antigen HLA-C4 alpha chain - human gi|386777 (M11886) transplantation antigen [Homo sapiens]		

Seq. No.	4215	Seq. ID	OJ990612_38.9919.C1
Gene No.	8814	Strand	-
Start	1	End	624
Name	OJ990612_38.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	390	End	619
GI	none	Score	236
Exons	390..614, 396..563, 406..615, 452..619, 470..619		

Seq. No.	4216	Seq. ID	OJ990612_38.9919.C2
Gene No.	8815	Strand	+
Start	486	End	824
Name	OJ990612_38.9919.C2.o1.np	Method	AAT/NAP
Start	486	End	824
GI	2498930	Score	199
Exons	486..549, 717..824		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4216	Seq. ID	OJ990612_38.9919.C2
Gene No.	8815	Strand	+
Start	486	End	824
Name	OJ990612_38.9919.C2.o1.gs	Method	GENSCAN
Start	490	End	808
GI	none	Score	.6
Exons	490..549, 717..808		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8816	Strand	+
Start	1	End	2397
Name	OJ990612_38.9919.C3.o1.gp	Method	AAT/GAP
Start	1	End	342
GI	5701669	Score	661
Exons	1..342		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8816	Strand	+
Start	1	End	2397
Name	OJ990612_38.9919.C3.o2.np	Method	AAT/NAP
Start	1	End	1364
GI	5441880	Score	1043
Exons	1..312, 757..782, 1041..1364		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8816	Strand	+
Start	1	End	2397
Name	OJ990612_38.9919.C3.o1.np	Method	AAT/NAP
Start	1	End	1364
GI	5441880	Score	1042
Exons	1..312, 757..782, 1041..1364		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8816	Strand	+
Start	1	End	2397
Name	OJ990612_38.9919.C3.o1.gs	Method	GENSCAN
Start	273	End	2397
GI	none	Score	.57
Exons	273..1140, 1285..1482, 1832..1941, 1960..2086, 2237..2397		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8817	Strand	+
Start	2624	End	4446
Name	OJ990612_38.9919.C3.o2.gs	Method	GENSCAN
Start	2624	End	4446
GI	none	Score	.47
Exons	2624..2626, 2809..3111, 3282..3482, 3564..3712, 4338..4446		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8818	Strand	+
Start	5933	End	9629
Name	OJ990612_38.9919.C3.o3.gs	Method	GENSCAN
Start	5933	End	9629
GI	none	Score	.86
Exons	5933..6378, 7359..7480, 8447..8623, 9355..9629		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8819	Strand	+
Start	16546	End	18876
Name	OJ990612_38.9919.C3.o3.np	Method	AAT/NAP
Start	16515	End	18876
GI	5922634	Score	111
Exons	16515..16641, 18825..18876		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8819	Strand	+
Start	16546	End	18876
Name	OJ990612_38.9919.C3.o6.gs	Method	GENSCAN
Start	16546	End	18790
GI	none	Score	.41
Exons	16546..16591, 17810..17879, 18709..18790		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8820	Strand	+
Start	25704	End	42944
Name	OJ990612_38.9919.C3.o9.gs	Method	GENSCAN
Start	25704	End	41738
GI	none	Score	.64
Exons	25704..25826, 28819..28945, 29801..29879, 30998..31121, 32559..32682, 33729..33879, 34428..34521, 34965..35140, 36878..37017, 37658..38188, 38264..38520, 38615..38916, 39057..39295, 39369..39572, 39661..40311, 40479..40766, 41199..41249, 41539..41738		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8820	Strand	+
Start	25704	End	42944
Name	OJ990612_38.9919.C3.o4.np	Method	AAT/NAP
Start	36873	End	42944
GI	5852176	Score	2976
Exons	36873..37017, 37658..38188, 38264..38485, 39369..39572, 39661..39832, 39887..40187, 40479..40644, 40742..40766, 41199..41322, 42868..42944		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8821	Strand	+
Start	46049	End	47305
Name	OJ990612_38.9919.C3.o11.gs	Method	GENSCAN
Start	46049	End	47305
GI	none	Score	.99

Exons	46049..47305		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8822	Strand	+
Start	48395	End	53387
Name	OJ990612_38.9919.C3.o12.gs	Method	GENSCAN
Start	48395	End	53387
GI	none	Score	.59
Exons	48395..48475, 49169..49355, 49382..49543, 49959..50025, 52990..53113, 53163..53387		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8823	Strand	-
Start	3982	End	4384
Name	OJ990612_38.9919.C3.o2.gp	Method	AAT/GAP
Start	3982	End	4384
GI	7406_1.R1084	Score	649
Exons	3982..4384		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8824	Strand	-
Start	23185	End	24695
Name	OJ990612_38.9919.C3.o8.gs	Method	GENSCAN
Start	23185	End	24695
GI	none	Score	.65
Exons	23185..23318, 24656..24695		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	30	End	464
GI	none	Score	254
Exons	30..329, 47..268, 393..464		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	162	End	542
GI	none	Score	194
Exons	162..356, 171..368, 362..481, 366..542, 366..512		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	37561	End	39860
GI	none	Score	88
Exons	37561..37674, 38260..38487, 38624..38851, 38891..38947, 39663..39860		
Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332

Name	OJ990612_38.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	39648	End	39860
GI	none	Score	155
Exons	39648..39773, 39651..39764, 39780..39860		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	39663	End	39860
GI	none	Score	198
Exons	39663..39860		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	39663	End	39902
GI	none	Score	234
Exons	39663..39902, 39665..39799		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	40684	End	40861
GI	none	Score	197
Exons	40684..40713, 40685..40861, 40747..40848, 40832..40858		

Seq. No.	4217	Seq. ID	OJ990612_38.9919.C3
Gene No.	8825	Strand	-
Start	42797	End	44332
Name	OJ990612_38.9919.C3.o10.gs	Method	GENSCAN
Start	42797	End	44332
GI	none	Score	.47
Exons	42797..42938, 43076..43285, 44175..44332		

Seq. No.	4218	Seq. ID	OJ990612_38.9919.C4
Gene No.	8826	Strand	+
Start	6824	End	10316
Name	OJ990612_38.9919.C4.o2.gs	Method	GENSCAN
Start	6824	End	10316
GI	none	Score	.79
Exons	6824..6930, 7846..7968, 8488..8626, 8778..8908, 9895..9931, 10176..10316		

Seq. No.	4218	Seq. ID	OJ990612_38.9919.C4
Gene No.	8827	Strand	-
Start	9453	End	12165
Name	OJ990612_38.9919.C4.o1.np	Method	AAT/NAP
Start	9453	End	11079
GI	6539588	Score	196
Exons	9453..9499, 10801..11079		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	4218	Seq. ID	OJ990612_38.9919.C4
Gene No.	8827	Strand	-

Start	9453	End	12165
Name	OJ990612_38.9919.C4.o3.gs	Method	GENSCAN
Start	10886	End	12165
GI	none	Score	.52
Exons	10886..11052, 11285..11408, 11434..11489, 11881..11933, 12031..12165		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8828	Strand	+
Start	389	End	552
Name	OJ990612_38.9919.C5.o1.gs	Method	GENSCAN
Start	389	End	552
GI	none	Score	1
Exons	389..552		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8829	Strand	+
Start	2793	End	15257
Name	OJ990612_38.9919.C5.o1.np	Method	AAT/NAP
Start	2793	End	15257
GI	1076211	Score	149
Exons	2793..3023, 3173..3337, 7324..7475, 15191..15257		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8829	Strand	+
Start	2793	End	15257
Name	OJ990612_38.9919.C5.o3.gs	Method	GENSCAN
Start	3139	End	3992
GI	none	Score	.86
Exons	3139..3184, 3289..3433, 3504..3645, 3672..3992		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8829	Strand	+
Start	2793	End	15257
Name	OJ990612_38.9919.C5.o1.gp	Method	AAT/GAP
Start	3306	End	10627
GI	3107115	Score	843
Exons	3306..3433, 10210..10627		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8829	Strand	+
Start	2793	End	15257
Name	OJ990612_38.9919.C5.o4.gs	Method	GENSCAN
Start	6000	End	9373
GI	none	Score	.63
Exons	6000..6072, 6179..6316, 6853..6956, 7816..7979, 8031..8040, 8229..8352, 8518..8616, 8845..8863, 9004..9070, 9305..9373		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8829	Strand	+
Start	2793	End	15257
Name	OJ990612_38.9919.C5.o2.gp	Method	AAT/GAP
Start	11615	End	11722

GI	5867_1.R1084	Score	144
Exons	11615..11722		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8830	Strand	+
Start	15253	End	15658
Name	OJ990612_38.9919.C5.o6.gs	Method	GENSCAN
Start	15253	End	15658
GI	none	Score	.79
Exons	15253..15357, 15461..15658		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8831	Strand	+
Start	21967	End	22030
Name	OJ990612_38.9919.C5.o3.gp	Method	AAT/GAP
Start	21967	End	22030
GI	2310474	Score	77
Exons	21967..22030		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8832	Strand	+
Start	24292	End	30979
Name	OJ990612_38.9919.C5.o9.gs	Method	GENSCAN
Start	24292	End	30979
GI	none	Score	.45
Exons	24292..24442, 25576..25710, 26252..26304, 28620..28716, 28721..28776, 30819..30922, 30955..30979		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8833	Strand	-
Start	1058	End	2924
Name	OJ990612_38.9919.C5.o2.gs	Method	GENSCAN
Start	1058	End	2924
GI	none	Score	.57
Exons	1058..1306, 1324..1656, 2868..2924		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8834	Strand	-
Start	9905	End	13843
Name	OJ990612_38.9919.C5.o5.gs	Method	GENSCAN
Start	9905	End	13843
GI	none	Score	.77
Exons	9905..10054, 11504..11579, 11913..12112, 13178..13208, 13692..13843		

Seq. No.	4219	Seq. ID	OJ990612_38.9919.C5
Gene No.	8835	Strand	-
Start	32208	End	32525

Name	OJ990612_38.9919.C5.o10.gs	Method	GENSCAN
Start	32208	End	32525
GI	none	Score	.88
Exons	32208..32293, 32504..32525		

Seq. No.	4220	Seq. ID	OJ990402_25.9922.C1
Gene No.	8836	Strand	-
Start	1	End	364
Name	OJ990402_25.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	364
GI	2498930	Score	604
Exons	1..364		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4220	Seq. ID	OJ990402_25.9922.C1
Gene No.	8836	Strand	-
Start	1	End	364
Name	OJ990402_25.9922.C1.o1.gs	Method	GENSCAN
Start	13	End	312
GI	none	Score	.91
Exons	13..312		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8837	Strand	+
Start	8623	End	15380
Name	OJ990402_25.9922.C4.o3.gs	Method	GENSCAN
Start	8623	End	15380
GI	none	Score	.86
Exons	8623..8660, 8965..9136, 9202..11625, 11653..12486, 13083..15380		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8837	Strand	+
Start	8623	End	15380
Name	OJ990402_25.9922.C4.o2.np	Method	AAT/NAP
Start	9753	End	15377
GI	6498441	Score	6814
Exons	9753..10816, 11147..11589, 11653..12026, 12210..12344, 12518..12944, 13137..13433, 13605..15002, 15096..15377		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8838	Strand	-
Start	5597	End	8027
Name	OJ990402_25.9922.C4.o1.np	Method	AAT/NAP
Start	5588	End	8027
GI	6522541	Score	1191
Exons	5588..5760, 5797..5982, 6222..8027		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8838	Strand	-
Start	5597	End	8027
Name	OJ990402_25.9922.C4.o2.gs	Method	GENSCAN
Start	5597	End	7743

GI	none	Score	.41
Exons	5597..5982, 6222..7743		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	5658	End	5984
GI	none	Score	44
Exons	5658..5705, 5663..5761, 5802..5984, 5810..5983, 5889..5984		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	5780	End	6798
GI	none	Score	92
Exons	5780..6040, 5811..5984, 6223..6273, 6304..6435, 6304..6480, 6305..6457, 6493..6690, 6497..6691, 6715..6798		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	5873	End	7842
GI	none	Score	72
Exons	5873..5983, 6221..6256, 6304..6456, 6490..6543, 6562..6642, 7058..7234, 7115..7228, 7123..7386, 7129..7386, 7129..7287, 7129..7287, 7129..7386, 7132..7371, 7132..7371, 7132..7257, 7132..7287, 7144..7281, 7186..7287, 7205..7372, 7265..7387, 7277..7360, 7345..7386, 7348..7386, 7415..7585, 7421..7474, 7424..7591, 7432..7764, 7432..7761, 7432..7758, 7432..7761, 7432..7698, 7432..7551, 7432..7716, 7432..7761, 7432..7761, 7432..7758, 7474..7734, 7486..7758, 7546..7758, 7549..7761, 7556..7723, 7621..7761, 7634..7723, 7651..7758, 7774..7842		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	6229	End	6658
GI	none	Score	173
Exons	6229..6315, 6304..6657, 6305..6658		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	7000	End	8037
GI	none	Score	73
Exons	7000..7380, 7054..7287, 7123..7386, 7129..7287, 7129..7287, 7345..7758, 7348..7383, 7348..7392, 7432..7833, 7432..7758, 7432..7758, 7432..7818, 7435..7836, 7453..7572, 7495..7761, 7669..7758, 7765..7857, 7936..8037		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-

Start	16006	End	16510
Name	OJ990402_25.9922.C4.o7.tw	Method	TBLASTX:Wheat
Start	7061	End	7926
GI	none	Score	60
Exons	7061..7216, 7132..7287, 7132..7251, 7432..7605, 7468..7686, 7484..7672, 7513..7926, 7748..7843		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	7123	End	7764
GI	none	Score	67
Exons	7123..7254, 7129..7386, 7132..7287, 7147..7386, 7205..7369, 7412..7723, 7424..7696, 7432..7761, 7444..7761, 7486..7761, 7582..7764		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o6.tw	Method	TBLASTX:Wheat
Start	9901	End	10293
GI	none	Score	58
Exons	9901..9948, 9955..10053, 9960..10052, 10020..10259, 10036..10293		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	9906	End	10191
GI	none	Score	188
Exons	9906..10190, 9943..10191		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o5.tw	Method	TBLASTX:Wheat
Start	10301	End	13739
GI	none	Score	236
Exons	10301..10354, 13305..13556, 13370..13546, 13590..13739, 13599..13736, 13601..13738		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	11031	End	11432
GI	none	Score	353
Exons	11031..11204, 11032..11430, 11226..11429, 11343..11432		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	11660	End	12123
GI	none	Score	223
Exons	11660..12103, 11661..12116, 11662..12123, 11662..12117		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o5.ts	Method	TBLASTX:Soybean
Start	11701	End	12066
GI	none	Score	117
Exons	11701..11925, 11932..12066		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	11791	End	12147
GI	none	Score	390
Exons	11791..12147, 11826..12137, 11842..12147		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	12174	End	12557
GI	none	Score	283
Exons	12174..12452, 12175..12453, 12447..12557		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	12231	End	12650
GI	none	Score	280
Exons	12231..12452, 12232..12462, 12232..12453, 12444..12650, 12470..12643		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	12310	End	12680
GI	none	Score	154
Exons	12310..12453, 12327..12452, 12450..12680		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	13428	End	13994
GI	5666795	Score	68
Exons	13428..13526, 13602..13739, 13794..13994		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o9.tw	Method	TBLASTX:Wheat
Start	13742	End	14054
GI	none	Score	188

Exons	13742..13918, 13794..14054		
Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	14247	End	14570
GI	none	Score	336
Exons	14247..14570, 14276..14557		
Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	14388	End	14765
GI	none	Score	356
Exons	14388..14765, 14486..14734		
Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o8.tw	Method	TBLASTX:Wheat
Start	14766	End	15368
GI	none	Score	255
Exons	14766..15050, 14768..15076, 14771..15049, 15242..15364, 15243..15368		
Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o4.gs	Method	GENSCAN
Start	16006	End	16455
GI	none	Score	.98
Exons	16006..16455		
Seq. No.	4221	Seq. ID	OJ990402_25.9922.C4
Gene No.	8839	Strand	-
Start	16006	End	16510
Name	OJ990402_25.9922.C4.o3.np	Method	AAT/NAP
Start	16009	End	16510
GI	6539586	Score	772
Exons	16009..16510		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	4222	Seq. ID	OJ990402_25.9922.C5
Gene No.	8840	Strand	-
Start	1	End	2093
Name	OJ990402_25.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	2093
GI	5803259	Score	3123
Exons	1..737, 832..2093		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	4222	Seq. ID	OJ990402_25.9922.C5
Gene No.	8840	Strand	-
Start	1	End	2093
Name	OJ990402_25.9922.C5.o1.gs	Method	GENSCAN

Start	16	End	2093
GI	none	Score	.67
Exons	16..737, 832..2093		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8841	Strand	+
Start	2985	End	18926
Name	OJ990402_25.9922.C6.o2.gs	Method	GENSCAN
Start	2985	End	18926
GI	none	Score	.56
Exons	2985..3096, 4265..4328, 4477..4572, 4794..4963, 5338..5515, 5588..5754, 5799..7636, 7759..8389, 8729..9099, 9542..9587, 10702..10911, 11932..12000, 12656..12844, 13947..14011, 14091..14160, 14939..14996, 16957..17159, 18790..18926		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8841	Strand	+
Start	2985	End	18926
Name	OJ990402_25.9922.C6.o2.np	Method	AAT/NAP
Start	4783	End	9177
GI	2586082	Score	4300
Exons	4783..5002, 5103..9177		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8841	Strand	+
Start	2985	End	18926
Name	OJ990402_25.9922.C6.o3.np	Method	AAT/NAP
Start	17527	End	18924
GI	5042462	Score	111
Exons	17527..17556, 18785..18924		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8842	Strand	+
Start	31655	End	35905
Name	OJ990402_25.9922.C6.o4.np	Method	AAT/NAP
Start	31655	End	35905
GI	539029	Score	70
Exons	31655..31740, 32890..32988, 35675..35905		
GI Descrip.	cysteine-rich extensin-like protein 1 precursor - common tobacco gi|310923 (L13439) cysteine-rich extensin-like protein-1 [Nicotiana tabacum]		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8843	Strand	-
Start	1	End	3129
Name	OJ990402_25.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	3129
GI	3894393	Score	473
Exons	1..23, 462..1495, 3077..3129		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909

Name	OJ990402_25.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	469	End	1479
GI	none	Score	106
Exons	469..543, 550..810, 553..816, 553..810, 562..810, 688..807, 925..1179, 925..1080, 925..1329, 926..1369, 995..1249, 997..1239, 1070..1318, 1132..1446, 1132..1380, 1141..1449, 1198..1479, 1201..1479		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	475	End	1509
GI	none	Score	73
Exons	475..534, 550..855, 550..816, 550..798, 550..801, 553..816, 553..810, 553..729, 562..801, 562..801, 563..790, 869..1165, 925..1509, 925..1308, 925..1332, 925..1020, 925..1167, 926..1153, 997..1404, 1018..1173, 1021..1284, 1069..1443, 1070..1300, 1129..1449, 1132..1476, 1141..1380, 1159..1383, 1162..1326, 1201..1476, 1280..1372, 1285..1509		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	475	End	1476
GI	none	Score	70
Exons	475..543, 550..801, 553..834, 562..825, 563..802, 925..1476, 925..1332, 925..1080, 925..1167, 925..1194, 925..1236, 926..1153, 1069..1467, 1135..1467, 1141..1440, 1141..1380, 1213..1476, 1312..1434		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	550	End	1617
GI	none	Score	87
Exons	550..672, 553..825, 925..1080, 925..1029, 928..1080, 935..1162, 940..1281, 1012..1323, 1141..1383, 1156..1485, 1498..1617		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	5666	End	5941
GI	none	Score	260
Exons	5666..5941, 5684..5941		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	5777	End	6148
GI	none	Score	404
Exons	5777..6148, 5801..6130, 5815..6147		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o5.ts	Method	TBLASTX:Soybean
Start	6215	End	6628
GI	none	Score	78
Exons	6215..6319, 6326..6439, 6458..6628		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	6623	End	7087
GI	none	Score	360
Exons	6623..7087, 6635..6985, 6961..7077		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	6632	End	7059
GI	none	Score	64
Exons	6632..6721, 6697..7059, 6743..7057		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o4.ts	Method	TBLASTX:Soybean
Start	6635	End	7069
GI	none	Score	269
Exons	6635..7069		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	6727	End	7087
GI	none	Score	272
Exons	6727..6918, 6740..7087		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	7669	End	8145
GI	5509260	Score	378
Exons	7669..8145, 7785..8126		
GI Descrip.	-		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o6.tm	Method	TBLASTX:Maize
Start	7695	End	7947
GI	none	Score	219
Exons	7695..7946, 7696..7947		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o3.tc	Method	TBLASTX:Cress
Start	7764	End	8034
GI	none	Score	293
Exons	7764..8015, 7765..8034		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	7815	End	8328
GI	none	Score	273
Exons	7815..7949, 7816..8160, 7968..8039, 8146..8328		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	7948	End	8388
GI	none	Score	420
Exons	7948..8388, 7968..8267		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o5.tc	Method	TBLASTX:Cress
Start	8206	End	8457
GI	none	Score	193
Exons	8206..8457		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	8329	End	8766
GI	none	Score	423
Exons	8329..8766, 8349..8651		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	8518	End	9168
GI	none	Score	280
Exons	8518..8925, 8520..8681, 8766..8867, 8952..9077, 8956..9168		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	8530	End	9177
GI	none	Score	516
Exons	8530..9177, 8532..8657, 8763..8900, 8956..9117		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6

Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o4.tc	Method	TBLASTX:Cress
Start	8722	End	9189
GI	none	Score	55
Exons	8722..8793, 8803..8946, 8959..9189		

Seq. No.	4223	Seq. ID	OJ990402_25.9922.C6
Gene No.	8844	Strand	-
Start	19197	End	35909
Name	OJ990402_25.9922.C6.o3.gs	Method	GENSCAN
Start	19197	End	35909
GI	none	Score	.53
Exons	19197..19537, 20066..20234, 20610..20896, 21517..21638, 23364..23472, 26730..26823, 28565..28668, 29045..29116, 29774..29838, 32908..33082, 35025..35202, 35798..35909		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8845	Strand	+
Start	844	End	3168
Name	OJ990402_25.9922.C7.o1.gs	Method	GENSCAN
Start	844	End	3168
GI	none	Score	.65
Exons	844..942, 2433..2534, 2977..3168		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8846	Strand	+
Start	10070	End	11251
Name	OJ990402_25.9922.C7.o3.gs	Method	GENSCAN
Start	10070	End	11251
GI	none	Score	.98
Exons	10070..10072, 10207..10268, 11104..11251		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8847	Strand	-
Start	3808	End	8382
Name	OJ990402_25.9922.C7.o2.gs	Method	GENSCAN
Start	3808	End	7979
GI	none	Score	.57
Exons	3808..4175, 4324..4896, 5263..5366, 5426..5669, 5807..5980, 5994..6600, 6982..7157, 7256..7979		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8847	Strand	-
Start	3808	End	8382
Name	OJ990402_25.9922.C7.o1.np	Method	AAT/NAP
Start	3811	End	8382
GI	2586083	Score	1722
Exons	3811..4175, 4324..4812, 5910..7579, 7940..8382		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	4777
GI	none	Score	46

Exons 2..112, 4331..4357, 4338..4394, 4400..4777, 4401..4724

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	6021
GI	none	Score	95

Exons 2..115, 107..166, 3994..4176, 4001..4177, 4325..4570, 4404..4577, 4604..4813, 4607..4804, 5941..6021

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	3877	End	4182
GI	none	Score	137

Exons 3877..3933, 3979..4182, 3995..4177

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	4078	End	8205
GI	none	Score	64

Exons 4078..4176, 4400..4591, 4407..4550, 4706..4804, 6229..6339, 6238..6513, 6286..6513, 6286..6510, 6289..6486, 6289..6510, 6289..6450, 6289..6615, 6289..6510, 6289..6513, 6289..6510, 6290..6400, 6292..6510, 6292..6615, 6293..6595, 6493..6612, 6619..6963, 6622..6978, 6625..6987, 6625..6987, 6625..6858, 6625..6972, 6625..6978, 6652..7011, 6652..7011, 6652..6720, 6652..6987, 6653..6892, 6655..6993, 6721..6987, 6766..6996, 6785..6964, 6883..7002, 6961..7086, 6979..7080, 7026..7052, 7111..7164, 7162..7251, 7165..7251, 7282..7332, 7287..7355, 7290..7829, 7293..7871, 7293..7787, 7293..7592, 7296..7991, 7296..7784, 7377..7871, 7380..8057, 7449..7991, 7509..8015, 7522..7821, 7666..7842, 7791..8090, 7870..8013, 8011..8148, 8011..8139, 8011..8139, 8011..8136, 8017..8148, 8170..8205

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	6229	End	8160
GI	none	Score	80

Exons 6229..6609, 6286..6510, 6289..6630, 6289..6510, 6289..6801, 6361..6510, 6622..7047, 6625..6987, 6625..6822, 6643..6987, 6643..6957, 6649..6915, 6652..7065, 6653..6958, 6697..6978, 6754..6873, 6790..6987, 6793..6987, 7111..7167, 7111..7164, 7162..7257, 7165..7257, 7263..7712, 7290..7871, 7293..7832, 7296..7586, 7296..7763, 7296..7649, 7371..7790, 7372..7542, 7378..7680, 7446..7862, 7479..7598, 7521..7949, 7566..8009, 7581..8000, 7585..7758, 7665..8003, 7666..7821, 7707..7991, 8011..8160, 8011..8154, 8011..8154

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-

Start	12582	End	14836
Name	OJ990402_25.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	6283	End	8178
GI	none	Score	95
Exons	6283..6510, 6289..6486, 6290..6487, 6358..6600, 6358..6510, 6434..6589, 6634..6909, 6643..6891, 6643..6834, 6652..6987, 6712..6987, 6850..6963, 7296..7559, 7296..7565, 7296..7496, 7305..7760, 7369..7698, 7377..7664, 7377..7841, 7449..7919, 7521..7997, 7588..7692, 7593..8009, 7593..7847, 7656..7871, 7666..7821, 7716..8000, 7879..7971, 7902..8015, 7938..7991, 7941..8009, 8005..8151, 8020..8178, 8020..8139		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	6415	End	7499
GI	none	Score	142
Exons	6415..6504, 6745..6849, 6884..7165, 6886..7167, 6886..7164, 7398..7499		

Seq. No.	4224	Seq. ID	OJ990402_25.9922.C7
Gene No.	8848	Strand	-
Start	12582	End	14836
Name	OJ990402_25.9922.C7.o4.gs	Method	GENSCAN
Start	12582	End	14836
GI	none	Score	.85
Exons	12582..12833, 12911..13031, 13207..13249, 13331..13393, 13497..13869, 13943..14010, 14484..14627, 14734..14836		

Seq. No.	4225	Seq. ID	OJ990402_25.9922.C8
Gene No.	8849	Strand	+
Start	392	End	1095
Name	OJ990402_25.9922.C8.o1.gs	Method	GENSCAN
Start	392	End	1095
GI	none	Score	.62
Exons	392..749, 840..920, 1010..1095		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o5.tm	Method	TBLASTX:Maize
Start	115	End	1158
GI	none	Score	57
Exons	115..231, 119..205, 244..363, 266..364, 480..548, 484..582, 939..998, 1093..1158		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.gs	Method	GENSCAN
Start	133	End	8867
GI	none	Score	.43
Exons	133..361, 448..602, 695..788, 919..1037, 1924..2074, 2372..5297, 5380..6797, 6823..6919, 7008..7185, 7492..7594, 7913..8179, 8740..8867		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.np	Method	AAT/NAP
Start	2371	End	6719
GI	4585985	Score	2528
Exons	2371..3251, 3279..3717, 3952..5297, 5380..5856, 6079..6592, 6639..6719		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	2467	End	2649
GI	none	Score	79
Exons	2467..2649, 2471..2647		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o6.tm	Method	TBLASTX:Maize
Start	2575	End	2895
GI	none	Score	82
Exons	2575..2649, 2668..2895, 2747..2893		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	2641	End	2887
GI	none	Score	106
Exons	2641..2886, 2690..2887		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	3202	End	3571
GI	none	Score	114
Exons	3202..3543, 3220..3546, 3287..3571		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	3715	End	4170
GI	none	Score	81
Exons	3715..3930, 3964..4101, 4102..4170		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	5224	End	5633
GI	none	Score	87
Exons	5224..5304, 5361..5513, 5366..5500, 5504..5629, 5511..5633		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	5384	End	5812
GI	none	Score	65
Exons	5384..5491, 5397..5492, 5516..5812, 5517..5711, 5525..5779		

Seq. No.	4226	Seq. ID	OJ990402_25.9922.C9
Gene No.	8850	Strand	-
Start	133	End	8867
Name	OJ990402_25.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	5636	End	6439
GI	none	Score	42
Exons	5636..5917, 5760..5900, 5906..6133, 5921..6370, 6039..6371, 6386..6439		

Seq. No.	4227	Seq. ID	OJ990402_25.9922.C10
Gene No.	8851	Strand	+
Start	4	End	9
Name	OJ990402_25.9922.C10.o1.gs	Method	GENSCAN
Start	4	End	9
GI	none	Score	.68
Exons	4..9		

Seq. No.	4228	Seq. ID	OJ990402_25.9922.C11
Gene No.	8852	Strand	+
Start	21	End	585
Name	OJ990402_25.9922.C11.o1.gs	Method	GENSCAN
Start	21	End	585
GI	none	Score	.51
Exons	21..585		

Seq. No.	4229	Seq. ID	OJ990422_24.9924.C1
Gene No.	8853	Strand	+
Start	58	End	460
Name	OJ990422_24.9924.C1.o1.gs	Method	GENSCAN
Start	58	End	460
GI	none	Score	.48
Exons	58..145, 384..460		

Seq. No.	4230	Seq. ID	OJ990422_24.9924.C2
Gene No.	8854	Strand	+
Start	877	End	1257
Name	OJ990422_24.9924.C2.o1.gs	Method	GENSCAN
Start	877	End	1257
GI	none	Score	.71
Exons	877..1257		

Seq. No.	4230	Seq. ID	OJ990422_24.9924.C2
Gene No.	8855	Strand	+
Start	3949	End	7523
Name	OJ990422_24.9924.C2.o2.np	Method	AAT/NAP
Start	3526	End	7523
GI	4325354	Score	48
Exons	3526..3552, 4944..5202, 7463..7523		

GI Descrip. (AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]

Seq. No.	4230	Seq. ID	OJ990422_24.9924.C2
Gene No.	8855	Strand	+
Start	3949	End	7523
Name	OJ990422_24.9924.C2.o2.gs	Method	GENSCAN
Start	3949	End	7073
GI	none	Score	.63
Exons	3949..4169, 4741..4844, 6727..7073		

Seq. No.	4230	Seq. ID	OJ990422_24.9924.C2
Gene No.	8855	Strand	+
Start	3949	End	7523
Name	OJ990422_24.9924.C2.o1.np	Method	AAT/NAP
Start	4019	End	7523
GI	4678310	Score	142
Exons	4019..4215, 4670..4948, 6422..6535, 7471..7523		
GI Descrip.	(AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	4230	Seq. ID	OJ990422_24.9924.C2
Gene No.	8855	Strand	+
Start	3949	End	7523
Name	OJ990422_24.9924.C2.o3.np	Method	AAT/NAP
Start	5123	End	7523
GI	6498436	Score	239
Exons	5123..5317, 5366..5798, 5974..6148, 6196..6402, 7471..7523		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	4231	Seq. ID	OJ990422_24.9924.C4
Gene No.	8856	Strand	+
Start	276	End	1376
Name	OJ990422_24.9924.C4.o1.gs	Method	GENSCAN
Start	276	End	1376
GI	none	Score	.48
Exons	276..437, 1028..1262, 1300..1376		

Seq. No.	4232	Seq. ID	OJ990422_24.9924.C5
Gene No.	8857	Strand	-
Start	1	End	232
Name	OJ990422_24.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	227
GI	5441880	Score	257
Exons	1..227		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4232	Seq. ID	OJ990422_24.9924.C5
Gene No.	8857	Strand	-
Start	1	End	232
Name	OJ990422_24.9924.C5.o1.gs	Method	GENSCAN
Start	57	End	232
GI	none	Score	.6
Exons	57..232		

Seq. No.	4233	Seq. ID	OJ990422_24.9924.C6
Gene No.	8858	Strand	+
Start	72	End	1068
Name	OJ990422_24.9924.C6.o1.gs	Method	GENSCAN
Start	72	End	1068
GI	none	Score	.78
Exons	72..245, 307..453, 538..610, 705..803, 883..1068		

Seq. No.	4234	Seq. ID	OJ990422_24.9924.C7
Gene No.	8859	Strand	+
Start	50	End	345
Name	OJ990422_24.9924.C7.o1.gs	Method	GENSCAN
Start	50	End	345
GI	none	Score	.88
Exons	50..163, 238..345		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8860	Strand	-
Start	1	End	4208
Name	OJ990422_24.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	3986
GI	4467124	Score	720
Exons	1..69, 454..738, 812..1090, 1188..1645, 1733..2435, 2553..2721, 3897..3986		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8860	Strand	-
Start	1	End	4208
Name	OJ990422_24.9924.C8.o1.gs	Method	GENSCAN
Start	77	End	4208
GI	none	Score	.78
Exons	77..738, 1188..1341, 1453..1645, 1733..2426, 2568..2790, 2872..3000, 3127..3214, 3253..3365, 3909..4068, 4073..4208		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8860	Strand	-
Start	1	End	4208
Name	OJ990422_24.9924.C8.o1.gp	Method	AAT/GAP
Start	3366	End	4198
GI	95583_1.R1084	Score	1366
Exons	3366..3809, 3909..4198		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	655	End	1063
GI	none	Score	149
Exons	655..747, 812..1063		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o1.tm	Method	TBLASTX:Maize

Start	1215	End	1931
GI	none	Score	62
Exons	1215..1496, 1315..1497, 1536..1646, 1722..1931		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	1287	End	1808
GI	none	Score	150
Exons	1287..1658, 1288..1632, 1734..1808		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	1326	End	1979
GI	none	Score	104
Exons	1326..1646, 1734..1979, 1761..1943		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	1734	End	2066
GI	none	Score	74
Exons	1734..1988, 1734..2066		

Seq. No.	4235	Seq. ID	OJ990422_24.9924.C8
Gene No.	8861	Strand	-
Start	5962	End	6255
Name	OJ990422_24.9924.C8.o2.gs	Method	GENSCAN
Start	5962	End	6255
GI	none	Score	.6
Exons	5962..6255		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8862	Strand	+
Start	1	End	324
Name	OJ990422_24.9924.C9.o1.gp	Method	AAT/GAP
Start	1	End	324
GI	uC-osflcyp176f10b1	Score	578
Exons	1..324		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8863	Strand	+
Start	3968	End	4536
Name	OJ990422_24.9924.C9.o2.gp	Method	AAT/GAP
Start	3968	End	4536
GI	2280558	Score	781
Exons	3968..4105, 4222..4536		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8864	Strand	+

Start	6667	End	7059
Name	OJ990422_24.9924.C9.o2.gs	Method	GENSCAN
Start	6667	End	7059
GI	none	Score	1
Exons	6667..7059		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8865	Strand	+
Start	12985	End	19764
Name	OJ990422_24.9924.C9.o4.gs	Method	GENSCAN
Start	12985	End	16276
GI	none	Score	.81
Exons	12985..13131, 13682..13953, 14422..14516, 15816..16061, 16224..16276		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8865	Strand	+
Start	12985	End	19764
Name	OJ990422_24.9924.C9.o3.np	Method	AAT/NAP
Start	13106	End	19764
GI	4680199	Score	115
Exons	13106..13336, 13598..13717, 19684..19764		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8865	Strand	+
Start	12985	End	19764
Name	OJ990422_24.9924.C9.o4.np	Method	AAT/NAP
Start	14143	End	15411
GI	6686886	Score	57
Exons	14143..14177, 15311..15411		
GI Descrip.	(AJ270303) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8865	Strand	+
Start	12985	End	19764
Name	OJ990422_24.9924.C9.o3.gp	Method	AAT/GAP
Start	14220	End	14653
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	14220..14333, 14633..14653		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8866	Strand	-
Start	1	End	2369
Name	OJ990422_24.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	4680204	Score	898
Exons	1..185, 320..858, 933..2369		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8867	Strand	-
Start	11162	End	12387
Name	OJ990422_24.9924.C9.o2.np	Method	AAT/NAP

Start	9452	End	11792
GI	4335748	Score	119
Exons	9452..9502, 11463..11602, 11711..11792		
GI Descrip.	(AC006284) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8867	Strand	-
Start	11162	End	12387
Name	OJ990422_24.9924.C9.o3.gs	Method	GENSCAN
Start	11162	End	12387
GI	none	Score	.68
Exons	11162..11243, 12178..12323, 12355..12387		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	1323	End	1726
GI	none	Score	76
Exons	1323..1493, 1456..1623, 1488..1724, 1575..1724, 1586..1726, 1616..1726		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	4269	End	7075
GI	none	Score	74
Exons	4269..4355, 4279..4356, 4297..4359, 4299..4361, 6663..6797, 6670..6819, 6673..6834, 6858..6926, 6910..7059, 6922..7056, 6923..7075		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	6064	End	6439
GI	none	Score	539
Exons	6064..6438, 6068..6439		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	6066	End	6436
GI	none	Score	168
Exons	6066..6404, 6066..6257, 6070..6399, 6071..6436		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	6672	End	7017
GI	none	Score	118
Exons	6672..6770, 6673..6765, 6769..6855, 6775..6804, 6922..7017, 6922..7014		

Seq. No.	4236	Seq. ID	OJ990422_24.9924.C9
Gene No.	8868	Strand	-
Start	16812	End	19690
Name	OJ990422_24.9924.C9.o5.gs	Method	GENSCAN
Start	16812	End	19690
GI	none	Score	.88
Exons	16812..17050, 17324..17519, 17893..18025, 18058..18089, 18098..18685, 18962..19231, 19610..19690		

Seq. No.	4237	Seq. ID	OJ990422_24.9924.C10
Gene No.	8869	Strand	+
Start	173	End	879
Name	OJ990422_24.9924.C10.o1.gs	Method	GENSCAN
Start	173	End	879
GI	none	Score	.56
Exons	173..322, 829..879		

Seq. No.	4237	Seq. ID	OJ990422_24.9924.C10
Gene No.	8870	Strand	+
Start	1591	End	2162
Name	OJ990422_24.9924.C10.o2.gs	Method	GENSCAN
Start	1591	End	2162
GI	none	Score	.79
Exons	1591..1681, 2065..2162		

Seq. No.	4237	Seq. ID	OJ990422_24.9924.C10
Gene No.	8871	Strand	-
Start	4328	End	4567
Name	OJ990422_24.9924.C10.o4.gs	Method	GENSCAN
Start	4328	End	4567
GI	none	Score	.96
Exons	4328..4445, 4450..4567		

Seq. No.	4238	Seq. ID	OJ990422_24.9924.C11
Gene No.	8872	Strand	
Start	2068	End	2510
Name	OJ990422_24.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	2068	End	2510
GI	none	Score	111
Exons	2068..2160, 2243..2344, 2388..2510		

Seq. No.	4239	Seq. ID	OJ990422_24.9924.C13
Gene No.	8873	Strand	+
Start	395	End	541
Name	OJ990422_24.9924.C13.o1.gs	Method	GENSCAN
Start	395	End	541
GI	none	Score	.49
Exons	395..541		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8874	Strand	+
Start	3576	End	3637
Name	OJ990422_24.9924.C15.o1.gp	Method	AAT/GAP
Start	3576	End	3637
GI	LIB3431-030-P1-N1-G8	Score	87
Exons	3576..3637		

GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8875	Strand	-
Start	1	End	3847
Name	OJ990422_24.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	3847
GI	2960228	Score	88
Exons	1..28, 2482..2961, 3691..3847		
GI Descrip.	(AL022120) hypothetical protein Rv3876 [Mycobacterium tuberculosis]		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8876	Strand	-
Start	4419	End	10485
Name	OJ990422_24.9924.C15.o3.gs	Method	GENSCAN
Start	4419	End	10260
GI	none	Score	.43
Exons	4419..4455, 4638..4861, 5250..5482, 5546..5869, 6178..6433, 6526..6796, 6901..7199, 7280..7398, 7471..7693, 7779..8145, 8221..8294, 8779..10260		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8876	Strand	-
Start	4419	End	10485
Name	OJ990422_24.9924.C15.o2.np	Method	AAT/NAP
Start	5532	End	10485
GI	5441880	Score	2037
Exons	5532..5741, 6209..6453, 6526..6796, 6901..7199, 7779..8112, 8221..8360, 8962..9288, 9547..9578, 10023..10485		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8876	Strand	-
Start	4419	End	10485
Name	OJ990422_24.9924.C15.o2.gp	Method	AAT/GAP
Start	5853	End	8106
GI	LIB3433-020-P1-K1-A6	Score	724
Exons	5853..6233, 8064..8106		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8876	Strand	-
Start	4419	End	10485
Name	OJ990422_24.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	9796	End	10173
GI	none	Score	60
Exons	9796..9969, 9807..9947, 9902..9970, 9994..10170, 10019..10171, 10024..10173		

Seq. No.	4240	Seq. ID	OJ990422_24.9924.C15
Gene No.	8876	Strand	-
Start	4419	End	10485

Name	OJ990422_24.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	9871	End	10467
GI	none	Score	176
Exons	9871..9942, 9989..10288, 10000..10467, 10340..10462		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8877	Strand	+
Start	3024	End	3412
Name	OJ990422_24.9924.C19.o1.gp	Method	AAT/GAP
Start	3024	End	3412
GI	none	Score	766
Exons	3024..3412		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o1.gs	Method	GENSCAN
Start	417	End	2020
GI	none	Score	.78
Exons	417..575, 589..923, 1141..1222, 1951..2020		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o2.np	Method	AAT/NAP
Start	1804	End	5920
GI	5051762	Score	254
Exons	1804..1847, 5326..5920		
GI Descrip.	(AL078637) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	2956	End	3758
GI	none	Score	56
Exons	2956..2994, 2956..3003, 2985..3035, 2985..3098, 2987..3094, 3069..3107, 3121..3162, 3126..3164, 3209..3268, 3219..3269, 3254..3445, 3274..3453, 3276..3458, 3276..3473, 3434..3508, 3440..3508, 3506..3643, 3513..3575, 3644..3757, 3645..3758		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o2.gs	Method	GENSCAN
Start	3215	End	5917
GI	none	Score	.85
Exons	3215..5917		

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o2.tm	Method	TBLASTX:Maize
Start	3797	End	4253
GI	none	Score	91
Exons	3797..3898, 3798..3896, 3802..3927, 3807..3914, 3862..4047, 3887..4027, 3920..4054, 4031..4252, 4033..4251, 4041..4253,		

4053..4253

Seq. No.	4241	Seq. ID	OJ990422_24.9924.C19
Gene No.	8878	Strand	-
Start	417	End	5920
Name	OJ990422_24.9924.C19.o2.gp	Method	AAT/GAP
Start	3969	End	4317
GI	none	Score	679
Exons	3969..4317		

Seq. No.	4242	Seq. ID	OJ990422_24.9924.C20
Gene No.	8879	Strand	+
Start	44	End	126
Name	OJ990422_24.9924.C20.o1.gs	Method	GENSCAN
Start	44	End	126
GI	none	Score	.81
Exons	44..126		

Seq. No.	4243	Seq. ID	OJ990422_24.9924.C21
Gene No.	8880	Strand	+
Start	1	End	588
Name	OJ990422_24.9924.C21.o1.np	Method	AAT/NAP
Start	1	End	588
GI	106322	Score	378
Exons	1..588		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8881	Strand	+
Start	1788	End	2129
Name	OJ990422_24.9924.C23.o2.gs	Method	GENSCAN
Start	1788	End	2129
GI	none	Score	.77
Exons	1788..2129		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.gp	Method	AAT/GAP
Start	3093	End	3681
GI	2310235	Score	305
Exons	3093..3130, 3542..3681		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o2.gp	Method	AAT/GAP
Start	3546	End	6244
GI	342_1.R1084	Score	4647
Exons	3546..6244		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+

Start	3093	End	6244
Name	OJ990422_24.9924.C23.o4.tw	Method	TBLASTX:Wheat
Start	3893	End	4244
GI	none	Score	103
Exons	3893..4000, 3983..4234, 3991..4233, 3993..4244		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	4165	End	4594
GI	none	Score	102
Exons	4165..4248, 4166..4240, 4241..4303, 4298..4594, 4352..4576		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o2.tc	Method	TBLASTX:Cress
Start	4327	End	4642
GI	none	Score	288
Exons	4327..4479, 4334..4642, 4519..4614		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.np	Method	AAT/NAP
Start	4355	End	6244
GI	6742729	Score	3045
Exons	4355..6244		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o2.tw	Method	TBLASTX:Wheat
Start	4463	End	4931
GI	none	Score	72
Exons	4463..4516, 4471..4515, 4517..4621, 4528..4617, 4635..4715, 4635..4721, 4636..4722, 4702..4926, 4723..4926, 4833..4931		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	4508	End	4965
GI	none	Score	108
Exons	4508..4636, 4520..4642, 4636..4761, 4642..4761, 4774..4965		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o2.ts	Method	TBLASTX:Soybean
Start	4795	End	5037
GI	none	Score	216
Exons	4795..5037		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23

Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o3.tw	Method	TBLASTX:Wheat
Start	5070	End	5480
GI	none	Score	87
Exons	5070..5120, 5071..5133, 5139..5321, 5143..5361, 5389..5478, 5395..5478, 5436..5480		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.tw	Method	TBLASTX:Wheat
Start	5481	End	6237
GI	none	Score	333
Exons	5481..6206, 5481..6212, 5482..6237, 6067..6237		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	5524	End	5838
GI	none	Score	312
Exons	5524..5838, 5535..5810, 5608..5838		

Seq. No.	4244	Seq. ID	OJ990422_24.9924.C23
Gene No.	8882	Strand	+
Start	3093	End	6244
Name	OJ990422_24.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	5765	End	6216
GI	none	Score	175
Exons	5765..5947, 5769..6206, 5769..6212, 5773..6216, 6067..6216		

Seq. No.	4245	Seq. ID	OJ990422_24.9924.C24
Gene No.	8883	Strand	+
Start	1	End	468
Name	OJ990422_24.9924.C24.o1.np	Method	AAT/NAP
Start	1	End	468
GI	4680203	Score	431
Exons	1..468		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4245	Seq. ID	OJ990422_24.9924.C24
Gene No.	8883	Strand	+
Start	1	End	468
Name	OJ990422_24.9924.C24.o1.gs	Method	GENSCAN
Start	112	End	438
GI	none	Score	.46
Exons	112..197, 228..438		

Seq. No.	4245	Seq. ID	OJ990422_24.9924.C24
Gene No.	8884	Strand	-
Start	108	End	525
Name	OJ990422_24.9924.C24.o1.tw	Method	TBLASTX:Wheat
Start	10	End	414
GI	none	Score	74
Exons	10..54, 14..49, 57..152, 61..120, 99..239, 100..240, 168..248, 252..317, 253..333, 322..414, 348..413		

Seq. No.	4245	Seq. ID	OJ990422_24.9924.C24
Gene No.	8884	Strand	-
Start	108	End	525
Name	OJ990422_24.9924.C24.o1.gp	Method	AAT/GAP
Start	108	End	525
GI	LIB3431-028-P1-N1-A10	Score	828
Exons	108..525		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	4246	Seq. ID	OJ990422_24.9924.C25
Gene No.	8885	Strand	-
Start	26	End	1300
Name	OJ990422_24.9924.C25.o1.gs	Method	GENSCAN
Start	26	End	1300
GI	none	Score	.69
Exons	26..103, 239..470, 555..611, 703..861, 956..1300		

Seq. No.	4247	Seq. ID	OJ990422_24.9924.C26
Gene No.	8886	Strand	+
Start	187	End	360
Name	OJ990422_24.9924.C26.o1.gs	Method	GENSCAN
Start	187	End	360
GI	none	Score	.87
Exons	187..360		

Seq. No.	4248	Seq. ID	OJ990422_26.9924.C4
Gene No.	8887	Strand	+
Start	34	End	159
Name	OJ990422_26.9924.C4.o1.gs	Method	GENSCAN
Start	34	End	159
GI	none	Score	.63
Exons	34..159		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8888	Strand	+
Start	4645	End	5550
Name	OJ990422_26.9924.C5.o2.np	Method	AAT/NAP
Start	4645	End	5550
GI	4234852	Score	834
Exons	4645..5550		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8889	Strand	+
Start	9938	End	18590
Name	OJ990422_26.9924.C5.o3.np	Method	AAT/NAP
Start	9938	End	17933
GI	81870	Score	129
Exons	9938..9980, 10054..10153, 12986..13083, 17695..17933		
GI Descrip.	hydroxyproline-rich glycoprotein (clone Hyp3.6) - kidney bean (fragment)		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8889	Strand	+
Start	9938	End	18590

Name	OJ990422_26.9924.C5.o6.gs	Method	GENSCAN
Start	16720	End	18590
GI	none	Score	.49
Exons	16720..16733, 17745..18024, 18513..18590		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8890	Strand	-
Start	1072	End	1137
Name	OJ990422_26.9924.C5.o1.gp	Method	AAT/GAP
Start	1072	End	1137
GI	5607332	Score	77
Exons	1072..1137		
GI Descrip.	1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8891	Strand	-
Start	9616	End	13685
Name	OJ990422_26.9924.C5.o4.gs	Method	GENSCAN
Start	9616	End	13540
GI	none	Score	.41
Exons	9616..9846, 10129..10251, 10385..10498, 12977..13059, 13447..13540		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8891	Strand	-
Start	9616	End	13685
Name	OJ990422_26.9924.C5.o2.gp	Method	AAT/GAP
Start	12637	End	13685
GI	72738_1.R1084	Score	1382
Exons	12637..13059, 13269..13330, 13447..13685		
GI Descrip.	'1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]'		

Seq. No.	4249	Seq. ID	OJ990422_26.9924.C5
Gene No.	8892	Strand	-
Start	13927	End	15548
Name	OJ990422_26.9924.C5.o5.gs	Method	GENSCAN
Start	13927	End	15548
GI	none	Score	.92
Exons	13927..14180, 14478..14585, 15518..15548		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8893	Strand	+
Start	81	End	6207
Name	OJ990422_26.9924.C6.o1.gs	Method	GENSCAN
Start	81	End	6207
GI	none	Score	.52
Exons	81..185, 239..933, 951..1087, 1196..1388, 1426..1496, 1502..2001, 2038..2137, 2168..2352, 2379..2591, 2670..2852, 2936..5856, 6069..6207		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8893	Strand	+
Start	81	End	6207
Name	OJ990422_26.9924.C6.o1.np	Method	AAT/NAP
Start	762	End	6204

GI	6498441	Score	7068
Exons	762..1813, 2144..2606, 2670..3045, 3229..3363, 3538..4261, 4433..5830, 5924..6204		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8894	Strand	+
Start	11097	End	11866
Name	OJ990422_26.9924.C6.o3.gs	Method	GENSCAN
Start	11097	End	11866
GI	none	Score	.45
Exons	11097..11157, 11625..11693, 11718..11866		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8895	Strand	-
Start	6827	End	10072
Name	OJ990422_26.9924.C6.o2.gs	Method	GENSCAN
Start	6827	End	10072
GI	none	Score	.51
Exons	6827..7186, 7288..8707, 8811..8979, 9007..10072		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8895	Strand	-
Start	6827	End	10072
Name	OJ990422_26.9924.C6.o2.np	Method	AAT/NAP
Start	6830	End	10072
GI	6907089	Score	4283
Exons	6830..8707, 8811..10072		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	940	End	1188
GI	none	Score	190
Exons	940..1188, 942..1187		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o6.tw	Method	TBLASTX:Wheat
Start	952	End	1290
GI	none	Score	117
Exons	952..1050, 969..1049, 1017..1256, 1033..1290		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o4.tw	Method	TBLASTX:Wheat
Start	2028	End	12138
GI	none	Score	282
Exons	2028..2201, 2029..2367, 2041..2361, 2223..2378, 2358..2513, 12037..12138		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	2678	End	3142
GI	none	Score	226
Exons	2678..2875, 2679..2885, 2880..3122, 2887..3138, 2890..3135, 2891..3142		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	2808	End	3166
GI	none	Score	55
Exons	2808..2888, 2887..3156, 2888..3166, 3050..3166		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	3193	End	3577
GI	none	Score	358
Exons	3193..3558, 3194..3577		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	3250	End	3675
GI	none	Score	493
Exons	3250..3675, 3251..3673		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	3329	End	3700
GI	none	Score	275
Exons	3329..3700, 3346..3489		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o5.tw	Method	TBLASTX:Wheat
Start	4109	End	4567
GI	none	Score	236
Exons	4109..4330, 4133..4357, 4198..4374, 4418..4567, 4427..4552, 4429..4566		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	4256	End	4822
GI	5666795	Score	68
Exons	4256..4354, 4430..4567, 4622..4822		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o8.tw	Method	TBLASTX:Wheat
Start	4570	End	4882
GI	none	Score	190
Exons	4570..4758, 4583..4771, 4622..4882		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	5075	End	5407
GI	none	Score	374
Exons	5075..5398, 5104..5385, 5195..5407		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	5212	End	5613
GI	none	Score	378
Exons	5212..5613, 5213..5593		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o7.tw	Method	TBLASTX:Wheat
Start	5618	End	6195
GI	none	Score	246
Exons	5618..5878, 5620..5883, 5642..6010, 6069..6191, 6070..6195		

Seq. No.	4250	Seq. ID	OJ990422_26.9924.C6
Gene No.	8896	Strand	-
Start	14563	End	14627
Name	OJ990422_26.9924.C6.o5.gs	Method	GENSCAN
Start	14563	End	14627
GI	none	Score	.92
Exons	14563..14627		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8897	Strand	+
Start	10696	End	11892
Name	OJ990422_26.9924.C7.o1.np	Method	AAT/NAP
Start	10696	End	11892
GI	2231329	Score	66
Exons	10696..10817, 11774..11892		
GI Descrip.	(U77049) bactinecin 11 [Ovis aries]		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8898	Strand	+
Start	13467	End	16874
Name	OJ990422_26.9924.C7.o4.gs	Method	GENSCAN
Start	13467	End	16616
GI	none	Score	.42

Exons	13467..13823, 15359..15460, 15946..16094, 16469..16616		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8898	Strand	+
Start	13467	End	16874
Name	OJ990422_26.9924.C7.o1.gp	Method	AAT/GAP
Start	13620	End	16874
GI	16970_1.R1084	Score	1571
Exons	13620..13706, 14965..15002, 15196..15271, 15359..15460, 15946..16094, 16469..16874		
GI Descrip.	'1710521/sp|P50888|RL24_HORVU 4.0e-58 60S RIBOSOMAL PROTEIN L24 >gi_1154859_emb_CAA63960_ (X94296) L24 ribosomal protein [Hordeum vulgare]'		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8898	Strand	+
Start	13467	End	16874
Name	OJ990422_26.9924.C7.o2.np	Method	AAT/NAP
Start	15185	End	16613
GI	1710521	Score	660
Exons	15185..15271, 15359..15460, 15946..16094, 16469..16613		
GI Descrip.	60S RIBOSOMAL PROTEIN L24 gi|1154859|emb|CAA63960| (X94296) L24 ribosomal protein [Hordeum vulgare]		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8899	Strand	+
Start	18911	End	25071
Name	OJ990422_26.9924.C7.o3.np	Method	AAT/NAP
Start	18752	End	24747
GI	3377941	Score	212
Exons	18752..18925, 21862..21962, 22673..22895, 22925..23070, 23619..23734, 23914..24080, 24703..24747		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8899	Strand	+
Start	18911	End	25071
Name	OJ990422_26.9924.C7.o5.gs	Method	GENSCAN
Start	18911	End	25071
GI	none	Score	.9
Exons	18911..19260, 19345..19476, 19735..20074, 20178..20216, 21513..21767, 21856..21962, 23599..23734, 23914..24072, 24652..25071		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8899	Strand	+
Start	18911	End	25071
Name	OJ990422_26.9924.C7.o4.np	Method	AAT/NAP
Start	21860	End	25041
GI	3377941	Score	207
Exons	21860..21962, 22673..22895, 22925..23070, 23619..23734, 23914..24197, 24700..24813, 24851..25041		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		
Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8900	Strand	-
Start	55	End	712

Name	OJ990422_26.9924.C7.o1.gs	Method	GENSCAN
Start	55	End	712
GI	none	Score	.7
Exons	55..248, 437..535, 628..712		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8901	Strand	-
Start	1819	End	3704
Name	OJ990422_26.9924.C7.o2.gs	Method	GENSCAN
Start	1819	End	3704
GI	none	Score	.91
Exons	1819..1912, 3568..3704		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8902	Strand	
Start	15193	End	16618
Name	OJ990422_26.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	15193	End	16095
GI	none	Score	141
Exons	15193..15273, 15194..15286, 15356..15460, 15356..15460, 15357..15461, 15358..15462, 15376..15474, 15946..16095, 15957..16058		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8902	Strand	
Start	15193	End	16618
Name	OJ990422_26.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	15193	End	16618
GI	none	Score	79
Exons	15193..15273, 15194..15283, 15195..15272, 15196..15273, 15355..15462, 15356..15475, 15356..15460, 15357..15461, 15358..15474, 15943..16020, 15945..16058, 15945..16058, 15946..16095, 16469..16498, 16529..16618, 16531..16617		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8902	Strand	
Start	15193	End	16618
Name	OJ990422_26.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	15193	End	16095
GI	none	Score	134
Exons	15193..15273, 15194..15283, 15356..15460, 15358..15462, 15946..16095, 15957..16058		

Seq. No.	4251	Seq. ID	OJ990422_26.9924.C7
Gene No.	8902	Strand	
Start	15193	End	16618
Name	OJ990422_26.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	15194	End	16011
GI	none	Score	136
Exons	15194..15283, 15196..15273, 15355..15474, 15356..15475, 15944..16009, 15945..16010, 15945..16010, 15946..16011		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8903	Strand	+
Start	1	End	1505
Name	OJ990422_26.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	1505

GI	1076211	Score	143
Exons	1..38, 233..358, 972..1505		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8904	Strand	-
Start	239	End	376
Name	OJ990422_26.9924.C8.o1.gs	Method	GENSCAN
Start	239	End	376
GI	none	Score	.96
Exons	239..376		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8905	Strand	-
Start	790	End	1209
Name	OJ990422_26.9924.C8.o2.gs	Method	GENSCAN
Start	790	End	1209
GI	none	Score	.86
Exons	790..851, 1122..1209		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8906	Strand	-
Start	2463	End	4746
Name	OJ990422_26.9924.C8.o3.gs	Method	GENSCAN
Start	2463	End	4746
GI	none	Score	.97
Exons	2463..3038, 3162..3571, 4422..4746		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	5499	End	5975
GI	none	Score	193
Exons	5499..5750, 5500..5784, 5787..5870, 5928..5975		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	5787	End	6062
GI	none	Score	102
Exons	5787..5936, 5928..6011, 6015..6062		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o4.gs	Method	GENSCAN
Start	7152	End	10574
GI	none	Score	.62
Exons	7152..7390, 7554..7763, 7813..8029, 8067..8101, 8118..8173, 8527..8579, 9067..9211, 9321..9362, 9433..9485, 9594..10139, 10344..10418, 10509..10574		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o1.gp	Method	AAT/GAP
Start	8313	End	9101
GI	77266_1.R1084	Score	814
Exons	8313..8579, 8687..8756, 8874..8984, 9067..9101		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o2.np	Method	AAT/NAP
Start	8892	End	10775
GI	6856203	Score	215
Exons	8892..8981, 9067..9264, 9433..9517, 9620..10019, 10725..10775		
GI Descrip.	(AF180473) Not2p [Homo sapiens]		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	9160	End	10061
GI	none	Score	177
Exons	9160..9201, 9320..9364, 9435..9476, 9589..9831, 9595..9837, 9597..9836, 9927..10061		

Seq. No.	4252	Seq. ID	OJ990422_26.9924.C8
Gene No.	8907	Strand	-
Start	7152	End	11091
Name	OJ990422_26.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	9433	End	11091
GI	none	Score	46
Exons	9433..9474, 9434..9469, 9594..9818, 9595..9819, 9595..9831, 9650..9832, 9654..9857, 9786..9890, 9921..10139, 9934..10140, 9945..10184, 9950..10150, 10341..10376, 10366..10419, 10367..10417, 10503..10580, 10503..10574, 10508..10576, 10510..10587, 10710..10778, 10715..10780, 10716..10775, 10726..10803, 10875..11090, 10886..11089, 10891..11091, 10891..11091		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8908	Strand	+
Start	77	End	11653
Name	OJ990422_26.9924.C9.o1.gs	Method	GENSCAN
Start	77	End	11653
GI	none	Score	.4
Exons	77..136, 817..1029, 2293..2558, 2897..3132, 7503..7798, 9289..9338, 9434..9592, 10582..10633, 10717..10783, 11563..11653		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8908	Strand	+
Start	77	End	11653
Name	OJ990422_26.9924.C9.o3.gp	Method	AAT/GAP
Start	9204	End	9525

GI	LIB3433-046-P1-K1-C9	Score	339
Exons	9204..9314, 9434..9525		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8909	Strand	+
Start	12575	End	16131
Name	OJ990422_26.9924.C9.o1.np	Method	AAT/NAP
Start	12575	End	16131
GI	5732036	Score	80
Exons	12575..12674, 14577..15068, 15507..15603, 15872..15981, 16109..16131		
GI Descrip.	(AF160760) similar to disease resistance proteins; contains similarity ot Pfam family PF00560 - Leucine Rich Repeat; score=166.7, E=4e-46, N=24 [Arabidopsis thaliana]		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8909	Strand	+
Start	12575	End	16131
Name	OJ990422_26.9924.C9.o4.gp	Method	AAT/GAP
Start	14316	End	14510
GI	none	Score	285
Exons	14316..14510		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8909	Strand	+
Start	12575	End	16131
Name	OJ990422_26.9924.C9.o2.gs	Method	GENSCAN
Start	14420	End	16033
GI	none	Score	.84
Exons	14420..14507, 14557..14777, 14872..14989, 15652..15772, 15872..16033		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8910	Strand	-
Start	699	End	3313
Name	OJ990422_26.9924.C9.o1.gp	Method	AAT/GAP
Start	699	End	3313
GI	3761975	Score	812
Exons	699..852, 943..1006, 1089..1210, 1344..1449, 3290..3313		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8911	Strand	-
Start	15832	End	16131
Name	OJ990422_26.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	1450
GI	none	Score	107
Exons	3..122, 4..123, 5..124, 20..124, 713..1003, 725..1003, 1071..1235, 1086..1265, 1099..1239, 1342..1449, 1343..1450		

Seq. No.	4253	Seq. ID	OJ990422_26.9924.C9
Gene No.	8911	Strand	-
Start	15832	End	16131
Name	OJ990422_26.9924.C9.o5.gp	Method	AAT/GAP
Start	15832	End	16131
GI	none	Score	397

Exons	15832..16013, 16101..16131		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8912	Strand	+
Start	1	End	4221
Name	OJ990422_26.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	4180
GI	6729510	Score	668
Exons	1..123, 248..318, 399..470, 570..641, 716..784, 1191..1352, 1439..2034, 2569..2904, 3005..3243, 3697..4180		
GI Descrip.	(AL132966) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8912	Strand	+
Start	1	End	4221
Name	OJ990422_26.9924.C10.o1.gs	Method	GENSCAN
Start	53	End	4221
GI	none	Score	.94
Exons	53..140, 570..641, 716..784, 1191..1322, 1431..1909, 2192..2350, 2527..2886, 3011..3243, 3697..4221		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8912	Strand	+
Start	1	End	4221
Name	OJ990422_26.9924.C10.o2.gp	Method	AAT/GAP
Start	1272	End	1835
GI	2427735	Score	795
Exons	1272..1322, 1431..1835		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8913	Strand	+
Start	14145	End	14448
Name	OJ990422_26.9924.C10.o5.gs	Method	GENSCAN
Start	14145	End	14448
GI	none	Score	.62
Exons	14145..14235, 14324..14448		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8914	Strand	+
Start	14865	End	16486
Name	OJ990422_26.9924.C10.o3.np	Method	AAT/NAP
Start	14865	End	16486
GI	5922623	Score	163
Exons	14865..14949, 15410..15576, 15753..15816, 16353..16486		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8915	Strand	-
Start	1	End	362
Name	OJ990422_26.9924.C10.o1.gp	Method	AAT/GAP
Start	1	End	362
GI	none	Score	526
Exons	1..120, 208..362		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8916	Strand	-
Start	3925	End	4361
Name	OJ990422_26.9924.C10.o3.gp	Method	AAT/GAP
Start	3925	End	4361
GI	none	Score	862
Exons	3925..4361		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8917	Strand	-
Start	5702	End	6279
Name	OJ990422_26.9924.C10.o2.gs	Method	GENSCAN
Start	5702	End	6279
GI	none	Score	.58
Exons	5702..5817, 5945..6205, 6249..6279		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o4.gp	Method	AAT/GAP
Start	7019	End	8834
GI	LIB3431-045-P1-N1-A10	Score	825
Exons	7019..7128, 8491..8834		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o3.gs	Method	GENSCAN
Start	7335	End	8432
GI	none	Score	.45
Exons	7335..7493, 7945..8022, 8089..8247, 8430..8432		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o4.gs	Method	GENSCAN
Start	8659	End	13219
GI	none	Score	.55
Exons	8659..8819, 8955..8988, 9055..9172, 9177..9224, 9288..9419, 9682..9763, 9795..9915, 10008..10266, 10343..10641, 10733..10858, 11096..11225, 11436..11641, 11807..13219		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o2.np	Method	AAT/NAP
Start	8938	End	12766
GI	5441880	Score	3301
Exons	8938..9172, 9288..9419, 9666..9763, 10008..10266, 10343..11286, 11627..12766		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10

Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o5.gp	Method	AAT/GAP
Start	10016	End	10515
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	10016..10266, 10343..10515		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8918	Strand	-
Start	7335	End	13219
Name	OJ990422_26.9924.C10.o6.gp	Method	AAT/GAP
Start	11731	End	12162
GI	5701669	Score	849
Exons	11731..12162		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	1	End	3816
GI	none	Score	69
Exons	1..123, 1..87, 2583..2627, 2643..2684, 2688..2897, 3013..3243, 3696..3803, 3697..3816		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o3.tw	Method	TBLASTX:Wheat
Start	7	End	944
GI	none	Score	59
Exons	7..87, 58..138, 60..170, 72..167, 243..317, 247..318, 248..319, 267..332, 400..471, 571..606, 571..606, 618..644, 716..784, 716..796, 718..810, 723..809, 870..944		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	1468	End	1896
GI	none	Score	347
Exons	1468..1896, 1497..1892		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	2526	End	3219
GI	none	Score	415
Exons	2526..2888, 2532..2876, 2549..2890, 3015..3212, 3016..3219		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10

Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	2670	End	3825
GI	none	Score	263
Exons	2670..2894, 2675..2893, 3013..3243, 3015..3239, 3696..3803, 3697..3825		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	2690	End	3135
GI	none	Score	279
Exons	2690..2896, 2691..2897, 2968..3105, 2994..3131, 3016..3135		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	3696	End	3993
GI	none	Score	242
Exons	3696..3848, 3697..3870, 3868..3993, 3873..3992		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	11531	End	11911
GI	none	Score	109
Exons	11531..11707, 11532..11711, 11705..11902, 11717..11911		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	11744	End	12205
GI	none	Score	151
Exons	11744..12043, 11805..12026, 12077..12205, 12099..12197		

Seq. No.	4254	Seq. ID	OJ990422_26.9924.C10
Gene No.	8919	Strand	-
Start	13672	End	13822
Name	OJ990422_26.9924.C10.o7.gp	Method	AAT/GAP
Start	13672	End	13822
GI	7406_1.R1084	Score	230
Exons	13672..13822		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8920	Strand	+
Start	828	End	1081
Name	OJ990422_26.9924.C11.o1.gs	Method	GENSCAN
Start	828	End	1081
GI	none	Score	.71
Exons	828..1081		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8921	Strand	+
Start	1796	End	2089
Name	OJ990422_26.9924.C11.o2.gs	Method	GENSCAN
Start	1796	End	2041
GI	none	Score	1
Exons	1796..2041		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8921	Strand	+
Start	1796	End	2089
Name	OJ990422_26.9924.C11.o1.np	Method	AAT/NAP
Start	1814	End	2089
GI	128592	Score	293
Exons	1814..2089		
GI Descrip.	POLLEN-SPECIFIC PROTEIN NTP303 PRECURSOR gi|82190|pir||S22495 pollen-specific protein precursor - common tobacco gi|19902|emb|CAA43454| (X61146) pollen specific protein [Nicotiana tabacum]		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8922	Strand	+
Start	1990	End	2089
Name	OJ990422_26.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	1629	End	2089
GI	none	Score	51
Exons	1629..1670, 1796..2089, 1882..2088		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8922	Strand	+
Start	1990	End	2089
Name	OJ990422_26.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	1871	End	2089
GI	none	Score	195
Exons	1871..2089, 1880..2089		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8922	Strand	+
Start	1990	End	2089
Name	OJ990422_26.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	1871	End	2089
GI	none	Score	212
Exons	1871..2089, 1877..2089		

Seq. No.	4255	Seq. ID	OJ990422_26.9924.C11
Gene No.	8922	Strand	+
Start	1990	End	2089
Name	OJ990422_26.9924.C11.o1.gp	Method	AAT/GAP
Start	1990	End	2089
GI	32689_1.R1084	Score	196
Exons	1990..2089		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12

Gene No.	8923	Strand	+
Start	1	End	1877
Name	OJ990422_26.9924.C12.o1.gp	Method	AAT/GAP
Start	1	End	792
GI	32689_1.R1084	Score	1502
Exons	1..792		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8923	Strand	+
Start	1	End	1877
Name	OJ990422_26.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	1868
GI	6179398	Score	1479
Exons	1..1010, 1575..1868		
GI Descrip.	(AJ249211) BNH protein [Arabidopsis thaliana]		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8923	Strand	+
Start	1	End	1877
Name	OJ990422_26.9924.C12.o1.gs	Method	GENSCAN
Start	48	End	1068
GI	none	Score	.99
Exons	48..1009, 1065..1068		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8923	Strand	+
Start	1	End	1877
Name	OJ990422_26.9924.C12.o2.gs	Method	GENSCAN
Start	1575	End	1877
GI	none	Score	.74
Exons	1575..1877		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8924	Strand	+
Start	3669	End	4478
Name	OJ990422_26.9924.C12.o3.gs	Method	GENSCAN
Start	3669	End	4478
GI	none	Score	.63
Exons	3669..3671, 3977..4089, 4165..4295, 4405..4478		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8925	Strand	-
Start	1576	End	2142
Name	OJ990422_26.9924.C12.o2.gp	Method	AAT/GAP
Start	1576	End	2142
GI	36697_1.R1084	Score	1090
Exons	1576..2142		
GI Descrip.	'128592/sp|P29162|NTP3_TOBAC 2.0e-35 POLLEN-SPECIFIC PROTEIN NTP303 PRECURSOR >gi_82190_pir__S22495 pollen-specific protein precursor - common tobacco >gi_19902_emb_CAA43454_ (X61146) pollen specific protein [Nicotiana tabacum]'		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-

Start	3580	End	5763
Name	OJ990422_26.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	1885
GI	none	Score	65
Exons	1..21, 2..40, 2..136, 3..137, 92..559, 102..554, 491..559, 593..1009, 594..1010, 1574..1873, 1575..1874, 1619..1885		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	2	End	500
GI	none	Score	325
Exons	2..250, 3..254, 261..500, 368..436		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	5	End	983
GI	none	Score	279
Exons	5..262, 6..251, 246..551, 248..547, 596..889, 597..875, 894..983, 899..955		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o2.tc	Method	TBLASTX:Cress
Start	651	End	1865
GI	none	Score	418
Exons	651..1007, 653..1006, 1580..1855, 1581..1865		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	743	End	1706
GI	none	Score	337
Exons	743..1009, 744..1010, 1574..1705, 1575..1706		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	1568	End	1865
GI	none	Score	368
Exons	1568..1858, 1581..1865		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o2.np	Method	AAT/NAP
Start	3580	End	5625
GI	2224810	Score	91
Exons	3580..3599, 5320..5625		
GI Descrip.	(Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	4256	Seq. ID	OJ990422_26.9924.C12
Gene No.	8926	Strand	-
Start	3580	End	5763
Name	OJ990422_26.9924.C12.o4.gs	Method	GENSCAN
Start	4836	End	5763
GI	none	Score	.58
Exons	4836..4913, 5189..5763		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.gs	Method	GENSCAN
Start	984	End	3864
GI	none	Score	.8
Exons	984..1131, 1318..1346, 1453..1500, 1687..1743, 2167..2269, 2357..2406, 2629..2924, 3510..3864		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.np	Method	AAT/NAP
Start	984	End	3991
GI	3786007	Score	592
Exons	984..1238, 2026..2054, 2629..2924, 3510..3864, 3951..3991		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.gp	Method	AAT/GAP
Start	2347	End	3598
GI	LIB3432-029-P1-K1-D2	Score	821
Exons	2347..2406, 2629..2924, 3510..3598		
GI Descrip.	'3786007 8.0e-31 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	2745	End	3822
GI	none	Score	202
Exons	2745..2945, 2749..2919, 3522..3746, 3529..3822, 3529..3810, 3645..3821		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	3532	End	3986
GI	none	Score	150
Exons	3532..3732, 3727..3864, 3966..3986		

Seq. No.	4257	Seq. ID	OJ990422_26.9924.C13
Gene No.	8927	Strand	+
Start	984	End	3991
Name	OJ990422_26.9924.C13.o1.tm	Method	TBLASTX:Maize

Start	3532	End	3879
GI	none	Score	54
Exons	3532..3576, 3532..3594, 3586..3879, 3601..3735, 3633..3860		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8928	Strand	+
Start	1	End	768
Name	OJ990422_26.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	768
GI	3786007	Score	348
Exons	1..182, 487..768		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8929	Strand	-
Start	533	End	3430
Name	OJ990422_26.9924.C14.o1.gs	Method	GENSCAN
Start	533	End	3430
GI	none	Score	.61
Exons	533..653, 724..851, 1978..2384, 2426..3430		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8929	Strand	-
Start	533	End	3430
Name	OJ990422_26.9924.C14.o2.np	Method	AAT/NAP
Start	1971	End	3161
GI	6822068	Score	576
Exons	1971..3161		
GI Descrip.	(AL132957) SCARECROW1 [Arabidopsis thaliana]		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	78	End	770
GI	none	Score	82
Exons	78..161, 93..167, 463..768, 477..770		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	487	End	768
GI	none	Score	222
Exons	487..768, 492..683		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	529	End	756
GI	none	Score	215
Exons	529..756, 531..608, 654..755		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348

Name	OJ990422_26.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	538	End	768
GI	none	Score	188
Exons	538..768, 594..743		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o2.tc	Method	TBLASTX:Cress
Start	1980	End	3094
GI	none	Score	72
Exons	1980..2045, 2184..2270, 2194..2271, 2283..2348, 2408..2509, 2729..2860, 2891..2968, 2975..3094		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o2.gs	Method	GENSCAN
Start	5664	End	10348
GI	none	Score	.87
Exons	5664..5816, 5910..5969, 6393..6468, 6565..6686, 6782..6856, 6948..7086, 7269..7357, 8841..9060, 10321..10348		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o3.np	Method	AAT/NAP
Start	5670	End	7448
GI	4538965	Score	426
Exons	5670..5816, 5910..5969, 6393..6476, 6670..6856, 6948..7086, 7269..7448		
GI Descrip.	(AL049488) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4258	Seq. ID	OJ990422_26.9924.C14
Gene No.	8930	Strand	-
Start	5664	End	10348
Name	OJ990422_26.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	5700	End	7354
GI	none	Score	63
Exons	5700..5819, 5904..5969, 6345..6467, 6564..6689, 6564..6686, 6761..6856, 6783..6857, 6946..7032, 6990..7088, 7268..7354		

Seq. No.	4259	Seq. ID	OJ990422_26.9924.C15
Gene No.	8931	Strand	-
Start	78	End	562
Name	OJ990422_26.9924.C15.o1.gs	Method	GENSCAN
Start	78	End	562
GI	none	Score	.57
Exons	78..196, 290..361, 397..562		

Seq. No.	4260	Seq. ID	OJ990422_26.9924.C16
Gene No.	8932	Strand	+
Start	1	End	416
Name	OJ990422_26.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	416
GI	5441880	Score	568
Exons	1..264, 341..416		

GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	4260	Seq. ID	OJ990422_26.9924.C16
Gene No.	8932	Strand	+
Start	1	End	416
Name	OJ990422_26.9924.C16.o1.gp	Method	AAT/GAP
Start	92	End	416
GI	LIB3475-007-P1-K1-G8	Score	466
Exons	92..264, 341..416		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	4260	Seq. ID	OJ990422_26.9924.C16
Gene No.	8933	Strand	-
Start	139	End	283
Name	OJ990422_26.9924.C16.o1.gs	Method	GENSCAN
Start	139	End	283
GI	none	Score	.54
Exons	139..283		
Seq. No.	4261	Seq. ID	OJ990422_26.9924.C17
Gene No.	8934	Strand	+
Start	84	End	659
Name	OJ990422_26.9924.C17.o1.np	Method	AAT/NAP
Start	84	End	659
GI	106322	Score	457
Exons	84..659		
GI Descrip.	hypothetical protein (L1H 3' region) - human		
Seq. No.	4262	Seq. ID	OJ990422_26.9924.C18
Gene No.	8935	Strand	+
Start	250	End	398
Name	OJ990422_26.9924.C18.o1.gs	Method	GENSCAN
Start	250	End	398
GI	none	Score	.88
Exons	250..398		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8936	Strand	+
Start	1	End	3352
Name	OJ990502_29.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	3045
GI	6572067	Score	333
Exons	1..60, 709..822, 856..927, 1588..1686, 2233..2347, 2630..2722, 2953..3045		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8936	Strand	+
Start	1	End	3352
Name	OJ990502_29.9924.C1.o1.gp	Method	AAT/GAP
Start	378	End	808
GI	427725	Score	181
Exons	378..411, 707..808		

GI Descrip.	1657619 3.0e-31 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8936	Strand	+
Start	1	End	3352
Name	OJ990502_29.9924.C1.o1.gs	Method	GENSCAN
Start	1384	End	3352
GI	none	Score	.62
Exons	1384..1508, 2254..2347, 2953..3019, 3279..3352		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8937	Strand	+
Start	4012	End	4543
Name	OJ990502_29.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	1106	End	4139
GI	none	Score	102
Exons	1106..1189, 2615..2719, 2616..2720, 2628..2720, 2629..2721, 2630..2722, 2951..3016, 2952..3017, 2952..3017, 2953..3024, 4011..4139, 4019..4120		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8937	Strand	+
Start	4012	End	4543
Name	OJ990502_29.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	2254	End	4205
GI	none	Score	93
Exons	2254..2349, 2255..2347, 2616..2720, 2618..2719, 2628..2720, 2629..2721, 2630..2722, 2951..3016, 2952..3032, 2952..3032, 2953..3033, 3999..4205, 4010..4141, 4011..4142, 4015..4191		
Seq. No.	4263	Seq. ID	OJ990502_29.9924.C1
Gene No.	8937	Strand	+
Start	4012	End	4543
Name	OJ990502_29.9924.C1.o2.gp	Method	AAT/GAP
Start	4012	End	4543
GI	5607295	Score	990
Exons	4012..4543		
Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8938	Strand	+
Start	515	End	1574
Name	OJ990502_29.9924.C2.o1.gs	Method	GENSCAN
Start	515	End	1574
GI	none	Score	.6
Exons	515..653, 844..1202, 1505..1574		
Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8939	Strand	+
Start	30626	End	32223
Name	OJ990502_29.9924.C2.o6.gp	Method	AAT/GAP
Start	30626	End	32223
GI	23048_1.R1084	Score	104
Exons	30626..30689, 32176..32223		
GI Descrip.	'4191778 1.0e-100 (AC005917) putative nucleosome assembly protein I [Arabidopsis thaliana]'		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o3.np	Method	AAT/NAP
Start	1	End	32362
GI	4505197	Score	98
Exons	1..30, 704..780, 6318..6519, 24512..24681, 30715..30813, 32187..32362		
GI Descrip.	myeloid/lymphoid or mixed-lineage leukemia 2 gi|2358285 (AF010403) ALR [Homo sapiens]		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o1.gp	Method	AAT/GAP
Start	1786	End	5542
GI	27132_1.R1084	Score	2129
Exons	1786..2173, 2450..2502, 2624..2709, 2809..2927, 3166..3237, 3900..3971, 4128..4301, 4552..4707, 5485..5542		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 5.0e-87 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o2.gs	Method	GENSCAN
Start	2096	End	6945
GI	none	Score	.79
Exons	2096..2173, 2450..2478, 2624..2709, 2809..2927, 3166..3237, 4552..4774, 5444..5566, 6318..6464, 6548..6746, 6822..6945		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o1.np	Method	AAT/NAP
Start	2099	End	6924
GI	5478530	Score	1408
Exons	2099..2173, 2447..2496, 2618..2709, 2809..2927, 3166..3237, 3900..3971, 4128..4301, 4552..4707, 5485..5566, 6318..6464, 6548..6746, 6822..6924		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	2794	End	6882
GI	none	Score	96
Exons	2794..2901, 2808..2927, 2809..2907, 2811..2867, 2811..2942, 2868..2942, 4125..4313, 4125..4247, 4125..4295, 4242..4298, 4552..4701, 4558..4737, 4564..4644, 4633..4740, 5485..5565, 5485..5568, 6314..6463, 6324..6422, 6344..6466, 6547..6615, 6652..6750, 6667..6741, 6820..6882		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-

Start	1	End	32362
Name	OJ990502_29.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	2808	End	6882
GI	none	Score	80
Exons	2808..2930, 2811..2867, 2874..2927, 4125..4298, 4161..4247, 4239..4301, 4552..4701, 4561..4644, 6329..6466, 6413..6463, 6547..6615, 6652..6750, 6820..6882		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	2808	End	6894
GI	none	Score	98
Exons	2808..2930, 2812..2931, 4125..4298, 4179..4235, 4561..4698, 4585..4692, 6344..6466, 6422..6463, 6425..6511, 6547..6615, 6551..6616, 6655..6744, 6820..6894		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o2.gp	Method	AAT/GAP
Start	6318	End	6963
GI	44539_1.R1084	Score	948
Exons	6318..6464, 6548..6746, 6822..6963		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 2.0e-56 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o2.np	Method	AAT/NAP
Start	8907	End	30796
GI	3540208	Score	1046
Exons	8907..8959, 10911..11544, 12510..12555, 13114..13193, 13966..14045, 14136..14224, 14299..14366, 14903..14952, 15041..15120, 15161..15710, 16035..16091, 16295..16372, 16652..16744, 17378..17494, 17568..17699, 18990..19048, 19126..19318, 20239..20326, 21136..21345, 30626..30796		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o3.gp	Method	AAT/GAP
Start	9721	End	10107
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	9721..9798, 10081..10107		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o4.gp	Method	AAT/GAP
Start	10849	End	11280

GI	none	Score	848
Exons	10849..11280		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o3.gs	Method	GENSCAN
Start	10877	End	24190
GI	none	Score	.71
Exons	10877..10944, 10959..11544, 12510..12555, 13114..13193, 14903..15000, 15041..15710, 16035..16091, 16295..16372, 16652..16744, 17378..17506, 18990..19069, 19179..19318, 20239..20437, 20533..24190		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	11111	End	13167
GI	none	Score	35
Exons	11111..11149, 11116..11169, 11151..11267, 11152..11259, 11266..11376, 11267..11389, 11404..11538, 11432..11503, 11506..11547, 13104..13166, 13110..13166, 13114..13167		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	13120	End	14959
GI	none	Score	63
Exons	13120..13200, 13122..13199, 13952..14047, 13963..14046, 14134..14220, 14135..14221, 14301..14372, 14302..14370, 14903..14959		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	17451	End	20339
GI	none	Score	45
Exons	17451..17495, 17453..17500, 17456..17497, 17568..17672, 17568..17675, 17572..17682, 17679..17702, 17680..17700, 18981..19058, 18983..19072, 19180..19317, 19184..19318, 20150..20194, 20233..20298, 20234..20335, 20237..20335, 20238..20336, 20238..20339		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o5.gp	Method	AAT/GAP
Start	18784	End	20327
GI	uC-osf1M202056d03a1	Score	990
Exons	18784..19069, 19179..19318, 20239..20327		
GI Descrip.	'3540208 2.0e-19 (AC004260) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2

Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	21040	End	21388
GI	none	Score	122
Exons	21040..21213, 21041..21181, 21042..21182, 21170..21316, 21195..21317, 21353..21388		

Seq. No.	4264	Seq. ID	OJ990502_29.9924.C2
Gene No.	8940	Strand	-
Start	1	End	32362
Name	OJ990502_29.9924.C2.o4.gs	Method	GENSCAN
Start	26418	End	31099
GI	none	Score	.78
Exons	26418..26631, 30565..30863, 31004..31099		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771
Name	OJ990502_29.9924.C3.o1.gp	Method	AAT/GAP
Start	1620	End	3825
GI	984_1.R1084	Score	1271
Exons	1620..1990, 2437..2459, 3417..3522, 3631..3825		
GI Descrip.	'2997684 2.0e-20 (AF053302) putative transcriptional co-activator [Arabidopsis thaliana]'		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771
Name	OJ990502_29.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	1922	End	3759
GI	none	Score	72
Exons	1922..1993, 1925..1993, 3413..3535, 3415..3522, 3628..3720, 3635..3721, 3709..3759, 3710..3754		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771
Name	OJ990502_29.9924.C3.o1.gs	Method	GENSCAN
Start	1931	End	6753
GI	none	Score	.51
Exons	1931..1990, 2437..2459, 3417..3522, 3631..3782, 4215..4362, 5568..5780, 6742..6753		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771
Name	OJ990502_29.9924.C3.o1.np	Method	AAT/NAP
Start	3290	End	3778
GI	2997684	Score	131
Exons	3290..3327, 3378..3522, 3631..3778		
GI Descrip.	(AF053302) putative transcriptional co-activator [Arabidopsis thaliana]		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771

Name	OJ990502_29.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	5588	End	6771
GI	none	Score	36
Exons	5588..5614, 5664..5783, 5668..5781, 5943..6035, 5950..6030, 5951..6040, 6155..6187, 6156..6188, 6605..6766, 6606..6767, 6626..6769, 6628..6771, 6628..6768		

Seq. No.	4265	Seq. ID	OJ990502_29.9924.C3
Gene No.	8941	Strand	-
Start	1931	End	6771
Name	OJ990502_29.9924.C3.o2.np	Method	AAT/NAP
Start	5646	End	6766
GI	3540197	Score	307
Exons	5646..5780, 5943..6029, 6159..6242, 6628..6766		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o1.np	Method	AAT/NAP
Start	2213	End	12271
GI	3202024	Score	1213
Exons	2213..2338, 3427..3502, 9137..9273, 9368..9488, 9598..9698, 9798..9885, 9998..10065, 10158..10244, 10899..10973, 11056..11133, 11208..11312, 11812..11838, 11992..12039, 12119..12271		
GI Descrip.	(AF069315) thylakoid-bound L-ascorbate peroxidase precursor [Mesembryanthemum crystallinum]		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o2.np	Method	AAT/NAP
Start	8310	End	19861
GI	3953479	Score	163
Exons	8310..8393, 15746..16185, 16219..16303, 19682..19861		
GI Descrip.	(AC002328) F22O2.24 [Arabidopsis thaliana]		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o2.gs	Method	GENSCAN
Start	9094	End	12271
GI	none	Score	.75
Exons	9094..9273, 9368..9488, 9515..9570, 10899..10973, 11208..11312, 11758..12039, 12119..12271		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o2.gp	Method	AAT/GAP
Start	9797	End	12502
GI	2517_2.R1084	Score	1923
Exons	9797..9885, 9998..10065, 10158..10244, 10899..10973, 11056..11133, 11208..11312, 11812..12039, 12119..12502		
GI Descrip.	'3202024 2.0e-98 (AF069315) thylakoid-bound L-ascorbate peroxidase precursor [Mesembryanthemum crystallinum]'		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o3.gs	Method	GENSCAN
Start	12909	End	18966
GI	none	Score	.72
Exons	12909..13009, 13167..13297, 13539..13618, 14565..14705, 15570..15751, 16142..16218, 16599..16687, 17451..17642, 18526..18966		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8942	Strand	+
Start	2213	End	19861
Name	OJ990502_29.9924.C4.o3.np	Method	AAT/NAP
Start	18223	End	19861
GI	6907086	Score	1247
Exons	18223..18983, 19041..19177, 19332..19403, 19483..19575, 19660..19861		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8943	Strand	-
Start	174	End	7078
Name	OJ990502_29.9924.C4.o1.gp	Method	AAT/GAP
Start	174	End	2536
GI	2312171	Score	642
Exons	174..384, 2393..2536		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8943	Strand	-
Start	174	End	7078
Name	OJ990502_29.9924.C4.o1.gs	Method	GENSCAN
Start	174	End	7078
GI	none	Score	.77
Exons	174..384, 1484..1635, 6451..6747, 6851..7078		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o2.tw	Method	TBLASTX:Wheat
Start	9208	End	9626
GI	none	Score	100
Exons	9208..9270, 9213..9275, 9226..9279, 9237..9320, 9353..9490, 9367..9489, 9434..9490, 9584..9622, 9585..9626		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	9213	End	11138
GI	none	Score	71
Exons	9213..9275, 9226..9279, 9328..9489, 9350..9490, 9584..9700, 9585..9698, 9601..9699, 9792..9884, 9795..9881, 9797..9883, 9993..10067, 9994..10065, 10116..10244, 10142..10240, 10150..10269, 10156..10278, 10899..10973, 10899..10973, 10900..10974, 10901..10975, 11061..11138, 11061..11135		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	9226	End	12265
GI	none	Score	69
Exons	9226..9279, 9353..9490, 9367..9489, 9596..9700, 9597..9698, 9599..9700, 9792..9884, 9796..9870, 9797..9883, 9992..10066, 9993..10067, 9994..10065, 10116..10244, 10142..10243, 10898..10975, 10899..10973, 11050..11133, 11058..11132, 11205..11303, 11211..11312, 11285..11323, 12000..12038, 12001..12039, 12116..12265, 12118..12264		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	9226	End	10180
GI	none	Score	69
Exons	9226..9279, 9328..9489, 9353..9490, 9584..9700, 9585..9698, 9792..9884, 9797..9883, 9993..10067, 9994..10065, 10157..10177, 10157..10180		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	9627	End	10245
GI	none	Score	116
Exons	9627..9698, 9629..9700, 9631..9699, 9792..9884, 9796..9888, 9797..9883, 9993..10067, 9994..10065, 10116..10244, 10142..10243, 10150..10245		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	10181	End	12271
GI	none	Score	121
Exons	10181..10243, 10182..10244, 10898..10975, 10899..10973, 11050..11136, 11058..11135, 11205..11312, 11205..11285, 11285..11323, 12106..12264, 12113..12271		

Seq. No.	4266	Seq. ID	OJ990502_29.9924.C4
Gene No.	8944	Strand	-
Start	16284	End	16791
Name	OJ990502_29.9924.C4.o3.gp	Method	AAT/GAP
Start	16284	End	16791
GI	38782_1.R1084	Score	819
Exons	16284..16791		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907

Name	OJ990502_29.9924.C5.o1.np	Method	AAT/NAP
Start	145	End	4571
GI	5734762	Score	1419
Exons	145..2860, 3098..3390, 4500..4571		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	151	End	2040
GI	none	Score	62
Exons	151..261, 175..717, 184..789, 196..861, 295..933, 325..1005, 412..1077, 469..1149, 544..1224, 567..809, 628..1242, 685..1365, 760..1383, 870..1169, 1005..1313, 1045..1389, 1384..1842, 1387..1851, 1405..1725, 1417..1851, 1418..1483, 1423..1851, 1471..1842, 1587..1841, 1632..1847, 1831..2034, 1834..2034, 1846..2034, 1852..2034, 1855..2016, 1855..1914, 1867..2031, 1924..2040		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o1.gs	Method	GENSCAN
Start	152	End	5473
GI	none	Score	.65
Exons	152..2860, 3098..3434, 3485..3523, 3831..3903, 4223..4400, 4419..4545, 4832..5000, 5340..5473		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	175	End	3168
GI	none	Score	289
Exons	175..807, 178..453, 178..324, 184..603, 184..873, 187..396, 196..756, 196..951, 264..521, 267..389, 270..512, 282..809, 291..593, 295..828, 295..1017, 325..1095, 337..894, 412..972, 412..1167, 432..593, 469..1239, 472..1044, 504..809, 544..1242, 556..1128, 628..1188, 685..1389, 693..1115, 844..1383, 867..965, 867..1097, 870..1241, 898..1383, 916..1389, 969..1118, 1048..1392, 1051..1251, 1288..1452, 1384..1851, 1387..1599, 1387..1851, 1387..1842, 1405..1740, 1405..1851, 1405..1740, 1408..1545, 1417..1869, 1423..1851, 1477..1851, 1561..1851, 1633..1833, 1693..1851, 1705..1890, 1744..1815, 1831..2034, 1834..2034, 1846..2034, 1846..2034, 1852..2034, 1852..2034, 1852..2034, 1852..2103, 1852..2034, 1966..2100, 2473..2820, 3097..3168		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	175	End	3186
GI	none	Score	224
Exons	175..765, 178..813, 184..522, 187..594, 187..309, 211..909,		

228..377, 294..521, 295..969, 301..420, 355..1041, 403..813,
427..1131, 444..809, 493..1197, 507..809, 517..636, 547..954,
589..708, 643..1242, 661..780, 675..761, 691..1098, 715..1377,
763..1173, 787..1383, 805..924, 835..1248, 853..1389, 867..1250,
867..1097, 871..1314, 876..977, 877..990, 949..1068, 1014..1169,
1291..1314, 1387..1851, 1387..1815, 1408..1815, 1408..2034,
1432..1851, 1476..1712, 1480..1842, 1516..1851, 1522..1641,
1594..1725, 1834..2034, 1852..2037, 1852..2037, 1852..2034,
1936..2034, 2331..2441, 2344..2445, 2481..2594, 2482..2607,
2499..2594, 2632..2802, 2646..2795, 3097..3186, 3103..3153

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	196	End	2034
GI	none	Score	158
Exons	196..507, 295..579, 328..651, 412..723, 423..656, 484..795, 556..867, 627..800, 700..1011, 916..1227, 1008..1160, 1060..1371, 1117..1383, 1387..1584, 1405..1656, 1408..1728, 1546..1845, 1587..1862, 1852..2031, 1852..2019, 1909..2034		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	2482	End	2820
GI	none	Score	255
Exons	2482..2820, 2499..2792		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	2524	End	3363
GI	none	Score	116
Exons	2524..2640, 2526..2654, 2644..2859, 2655..2858, 3041..3148, 3097..3213, 3097..3195, 3238..3363		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o3.np	Method	AAT/NAP
Start	4340	End	5907
GI	133443	Score	105
Exons	4340..4399, 4977..5124, 5890..5907		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66987|pir||RNZMB2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - maize chloroplast gi|12482|emb|CAA35197| (X17318) RNA polymerase beta-2 subunit (AA 1-1527) [Zea mays] gi|902214|emb|CAA60278| (X86563) RNA polymerase beta' subunit-2 [Zea mays]		

Seq. No.	4267	Seq. ID	OJ990502_29.9924.C5
Gene No.	8945	Strand	+
Start	145	End	5907
Name	OJ990502_29.9924.C5.o2.np	Method	AAT/NAP
Start	4821	End	5840

GI	82486	Score	205
Exons	4821..4950, 5721..5840		
GI Descrip.	hypothetical protein 3 - rice gi|20381|emb|CAA29824| (X06611) put. ORF 1 [Oryza sativa]		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8946	Strand	+
Start	1294	End	4271
Name	OJ990502_29.9924.C7.o1.gs	Method	GENSCAN
Start	1294	End	4271
GI	none	Score	.47
Exons	1294..1406, 2270..2447, 2750..2880, 3023..3107, 3803..3991, 4098..4271		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	613	End	1413
GI	none	Score	98
Exons	613..690, 721..756, 953..1057, 955..1068, 1054..1179, 1073..1186, 1261..1413, 1265..1411		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	955	End	1420
GI	none	Score	95
Exons	955..1125, 956..1114, 1114..1158, 1142..1156, 1261..1419, 1273..1407, 1301..1420		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o2.tc	Method	TBLASTX:Cress
Start	961	End	1455
GI	none	Score	98
Exons	961..1125, 962..1108, 1138..1176, 1141..1158, 1261..1455, 1301..1411		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	5561	End	6219
GI	none	Score	60
Exons	5561..5656, 5701..6003, 5744..5872, 6028..6141, 6136..6219		
Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	5567	End	5976
GI	none	Score	69
Exons	5567..5659, 5689..5976, 5783..5956		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o2.gs	Method	GENSCAN
Start	5647	End	7158
GI	none	Score	.89
Exons	5647..7158		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o2.np	Method	AAT/NAP
Start	5668	End	7258
GI	4803934	Score	775
Exons	5668..7258		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o3.tc	Method	TBLASTX:Cress
Start	5701	End	6003
GI	none	Score	224
Exons	5701..6003		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	6028	End	6951
GI	none	Score	80
Exons	6028..6390, 6164..6391, 6307..6423, 6307..6423, 6424..6702, 6446..6703, 6652..6795, 6712..6951		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	6043	End	6810
GI	none	Score	164
Exons	6043..6405, 6047..6406, 6469..6717, 6652..6804, 6652..6810		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	6130	End	6963
GI	none	Score	91
Exons	6130..6366, 6142..6234, 6236..6409, 6247..6417, 6247..6423, 6299..6421, 6424..6945, 6541..6741, 6634..6963		

Seq. No.	4268	Seq. ID	OJ990502_29.9924.C7
Gene No.	8947	Strand	-
Start	5647	End	7258
Name	OJ990502_29.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	6226	End	6933
GI	none	Score	83

Exons	6226..6381, 6226..6384, 6227..6382, 6304..6414, 6427..6666, 6539..6667, 6652..6783, 6652..6789, 6709..6933		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.gp	Method	AAT/GAP
Start	170	End	1184
GI	62738_1.R1084	Score	678
Exons	170..400, 809..853, 970..1049, 1138..1184		
GI Descrip.	'2132930/pir||S67159 1.0e-26 probable membrane protein YOR262w - yeast (Saccharomyces cerevisiae) >gi_1420591_emb_CAA99484_ (Z75170) ORF YOR262w [Saccharomyces cerevisiae]'		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	308	End	2005
GI	none	Score	167
Exons	308..409, 309..428, 806..853, 807..857, 965..1096, 973..1059, 1137..1235, 1681..1788, 1862..2005, 1863..2003		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	308	End	1937
GI	none	Score	167
Exons	308..427, 309..428, 806..853, 807..857, 947..1054, 949..1059, 965..1096, 1137..1235, 1140..1211, 1658..1753, 1680..1772, 1681..1788, 1862..1933, 1863..1937		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	308	End	2016
GI	none	Score	167
Exons	308..427, 309..428, 705..773, 800..856, 807..857, 964..1059, 965..1096, 971..1063, 1135..1218, 1137..1235, 1140..1220, 1676..1786, 1681..1788, 1681..1785, 1862..2014, 1863..2015, 1873..2016, 1882..2016		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.gs	Method	GENSCAN
Start	309	End	878
GI	none	Score	.8
Exons	309..400, 809..878		
Seq. No.	4269	Seq. ID	OJ990502_29.9924.C8
Gene No.	8948	Strand	+
Start	170	End	2016
Name	OJ990502_29.9924.C8.o1.np	Method	AAT/NAP
Start	309	End	2016

GI	6324836	Score	368
Exons	309..400, 809..853, 970..1049, 1138..1216, 1680..1785, 1869..2016		
GI Descrip.	Yor262wp gi|2132930|pir||S67159 probable membrane protein YOR262w - yeast (Saccharomyces cerevisiae) gi|1420591|emb|CAA99484| (Z75170) ORF YOR262w [Saccharomyces cerevisiae]		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8949	Strand	+
Start	1395	End	7105
Name	OJ990502_29.9924.C9.o1.gs	Method	GENSCAN
Start	1395	End	7080
GI	none	Score	.75
Exons	1395..1405, 2706..3080, 3194..3518, 4042..4230, 4739..4864, 5084..5221, 5356..5472, 5899..6016, 6446..6558, 6886..7080		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8949	Strand	+
Start	1395	End	7105
Name	OJ990502_29.9924.C9.o1.gp	Method	AAT/GAP
Start	2776	End	3312
GI	uC-osroM202040e03b1	Score	792
Exons	2776..3080, 3194..3312		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8949	Strand	+
Start	1395	End	7105
Name	OJ990502_29.9924.C9.o1.np	Method	AAT/NAP
Start	2905	End	7105
GI	1709619	Score	1120
Exons	2905..3080, 3194..3521, 4042..4230, 4739..4864, 5084..5221, 5356..5472, 5899..6016, 6446..6558, 6886..7105		
GI Descrip.	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) gi|2146814|pir||S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize gi|625148 (L39014) protein disulfide isomerase [Zea mays]		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	542	End	1338
GI	none	Score	125
Exons	542..619, 543..617, 692..823, 693..824, 694..825, 1235..1330, 1254..1331, 1257..1331, 1261..1338		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	2989	End	7080
GI	none	Score	130
Exons	2989..3093, 3021..3095, 3055..3093, 3194..3370, 3195..3461, 3195..3272, 3321..3371, 3392..3460, 4041..4202, 4042..4230,		

4705..4869, 4721..4864, 5081..5221, 5350..5415, 5413..5469,
5899..6015, 5935..6015, 6421..6558, 6444..6560, 6445..6561,
6450..6497, 6859..7056, 6885..7055, 6982..7056, 7042..7080,
7044..7079

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	2989	End	7044
GI	none	Score	126
Exons	2989..3093, 3021..3095, 3055..3093, 3194..3520, 3195..3470, 3195..3221, 3330..3458, 4041..4202, 4042..4230, 4733..4864, 5075..5221, 5350..5415, 5896..6015, 6445..6549, 6445..6558, 6445..6552, 6450..6497, 6886..6915, 6916..7044		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	2995	End	7077
GI	none	Score	127
Exons	2995..3093, 3019..3081, 3021..3095, 3055..3093, 3187..3225, 3194..3514, 3195..3470, 3210..3299, 4041..4202, 4042..4230, 4736..4864, 4738..4887, 5075..5221, 5349..5396, 5350..5415, 5511..5543, 5896..6015, 6445..6549, 6445..6489, 6450..6497, 6853..6915, 6916..7077		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	3213	End	4143
GI	none	Score	247
Exons	3213..3467, 3254..3466, 4041..4142, 4042..4143		

Seq. No.	4270	Seq. ID	OJ990502_29.9924.C9
Gene No.	8950	Strand	-
Start	8644	End	11416
Name	OJ990502_29.9924.C9.o2.gs	Method	GENSCAN
Start	8644	End	11416
GI	none	Score	.72
Exons	8644..9387, 10759..10795, 11247..11416		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8951	Strand	+
Start	11990	End	20591
Name	OJ990502_29.9924.C10.o4.np	Method	AAT/NAP
Start	11990	End	17461
GI	6063554	Score	165
Exons	11990..12017, 15842..16117, 16590..16616, 17285..17461		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8951	Strand	+

Start	11990	End	20591
Name	OJ990502_29.9924.C10.o4.gs	Method	GENSCAN
Start	14093	End	20591
GI	none	Score	.86
Exons	14093..14199, 14254..14303, 14343..14619, 14718..14888, 15876..16128, 16202..16274, 19435..19553, 19903..19932, 20006..20049, 20432..20591		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8951	Strand	+
Start	11990	End	20591
Name	OJ990502_29.9924.C10.o2.gp	Method	AAT/GAP
Start	16841	End	17221
GI	2427387	Score	486
Exons	16841..17221		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8951	Strand	+
Start	11990	End	20591
Name	OJ990502_29.9924.C10.o3.gp	Method	AAT/GAP
Start	19705	End	19932
GI	426028	Score	272
Exons	19705..19932		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8952	Strand	+
Start	20919	End	25387
Name	OJ990502_29.9924.C10.o4.gp	Method	AAT/GAP
Start	20919	End	21086
GI	426028	Score	303
Exons	20919..21086		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8952	Strand	+
Start	20919	End	25387
Name	OJ990502_29.9924.C10.o5.np	Method	AAT/NAP
Start	20939	End	25387
GI	6572067	Score	662
Exons	20939..21292, 21371..21465, 21720..21777, 24669..24725, 24824..24866, 24998..25159, 25259..25387		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8953	Strand	-
Start	902	End	2688
Name	OJ990502_29.9924.C10.o1.gs	Method	GENSCAN
Start	902	End	2688
GI	none	Score	.47
Exons	902..1063, 2295..2434, 2676..2688		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8953	Strand	-
Start	902	End	2688
Name	OJ990502_29.9924.C10.o1.np	Method	AAT/NAP
Start	1872	End	2574

GI	4680203	Score	321
Exons	1872..2574		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8954	Strand	-
Start	6832	End	13955
Name	OJ990502_29.9924.C10.o3.gs	Method	GENSCAN
Start	6832	End	13955
GI	none	Score	.44
Exons	6832..7006, 7251..7326, 7355..7534, 7663..7699, 8000..8289, 9163..9303, 9574..9734, 11569..11727, 12371..12422, 12527..12570, 12849..12964, 13004..13130, 13660..13955		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8954	Strand	-
Start	6832	End	13955
Name	OJ990502_29.9924.C10.o2.np	Method	AAT/NAP
Start	7587	End	11253
GI	4680199	Score	323
Exons	7587..7699, 7798..8352, 11201..11253		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8954	Strand	-
Start	6832	End	13955
Name	OJ990502_29.9924.C10.o1.gp	Method	AAT/GAP
Start	8777	End	9125
GI	4714323	Score	626
Exons	8777..9125		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	1871	End	2145
GI	none	Score	157
Exons	1871..2092, 1873..2091, 1895..2113, 2090..2140, 2098..2145		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	1876	End	2112
GI	none	Score	108
Exons	1876..2112, 1880..2086		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	7491	End	8035
GI	none	Score	53
Exons	7491..7589, 7593..7706, 7829..7960, 7985..8035		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-

Start	23558	End	23661
Name	OJ990502_29.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	10999	End	11466
GI	none	Score	76
Exons	10999..11130, 11013..11150, 11013..11153, 11078..11404, 11149..11202, 11197..11466, 11198..11404, 11206..11424		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	20916	End	21111
GI	none	Score	153
Exons	20916..21101, 20917..21111, 20930..21109		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	20921	End	21466
GI	none	Score	316
Exons	20921..21262, 20922..21275, 20929..21279, 20929..21279, 20930..21301, 21369..21404, 21370..21405, 21371..21424, 21404..21466, 21405..21461, 21407..21466		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	20960	End	21247
GI	none	Score	272
Exons	20960..21247, 20986..21246		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	20963	End	21457
GI	none	Score	318
Exons	20963..21301, 20966..21268, 20983..21276, 21371..21457, 21379..21456		

Seq. No.	4271	Seq. ID	OJ990502_29.9924.C10
Gene No.	8955	Strand	-
Start	23558	End	23661
Name	OJ990502_29.9924.C10.o5.gs	Method	GENSCAN
Start	23558	End	23661
GI	none	Score	.6
Exons	23558..23661		

Seq. No.	4272	Seq. ID	OJ990502_21.9919.C1
Gene No.	8956	Strand	+
Start	491	End	686
Name	OJ990502_21.9919.C1.o1.gs	Method	GENSCAN
Start	491	End	550
GI	none	Score	.94
Exons	491..550		

Seq. No.	4272	Seq. ID	OJ990502_21.9919.C1
Gene No.	8956	Strand	+
Start	491	End	686
Name	OJ990502_21.9919.C1.o1.np	Method	AAT/NAP
Start	491	End	686
GI	2498930	Score	50
Exons	491..550, 658..686		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4273	Seq. ID	OJ990502_21.9919.C2
Gene No.	8957	Strand	+
Start	1	End	624
Name	OJ990502_21.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	624
GI	2498930	Score	1067
Exons	1..624		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4273	Seq. ID	OJ990502_21.9919.C2
Gene No.	8957	Strand	+
Start	1	End	624
Name	OJ990502_21.9919.C2.o1.gs	Method	GENSCAN
Start	63	End	602
GI	none	Score	.93
Exons	63..602		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8958	Strand	+
Start	3361	End	5820
Name	OJ990502_21.9919.C3.o1.np	Method	AAT/NAP
Start	3349	End	5790
GI	1346396	Score	1445
Exons	3349..4378, 4405..5790		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8958	Strand	+
Start	3361	End	5820
Name	OJ990502_21.9919.C3.o3.gs	Method	GENSCAN
Start	3361	End	5820
GI	none	Score	1
Exons	3361..5820		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8959	Strand	+
Start	10559	End	16189
Name	OJ990502_21.9919.C3.o2.np	Method	AAT/NAP
Start	10550	End	13884

GI	6907089	Score	2003
Exons	10550..12807, 12901..13107, 13213..13884		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8959	Strand	+
Start	10559	End	16189
Name	OJ990502_21.9919.C3.o4.gs	Method	GENSCAN
Start	10559	End	13863
GI	none	Score	.63
Exons	10559..11692, 11701..11822, 11939..12038, 12319..12471, 12631..13863		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8959	Strand	+
Start	10559	End	16189
Name	OJ990502_21.9919.C3.o4.np	Method	AAT/NAP
Start	11612	End	15662
GI	4680183	Score	134
Exons	11612..11659, 15539..15662		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8959	Strand	+
Start	10559	End	16189
Name	OJ990502_21.9919.C3.o5.gs	Method	GENSCAN
Start	15029	End	16189
GI	none	Score	.53
Exons	15029..15058, 15441..15559, 15573..15618, 15907..15955, 16110..16189		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8960	Strand	-
Start	2280	End	2462
Name	OJ990502_21.9919.C3.o2.gs	Method	GENSCAN
Start	2280	End	2462
GI	none	Score	.88
Exons	2280..2462		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8961	Strand	-
Start	14610	End	20031
Name	OJ990502_21.9919.C3.o3.np	Method	AAT/NAP
Start	14610	End	20031
GI	6498441	Score	88
Exons	14610..14674, 16462..16524, 19978..20031		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8961	Strand	-
Start	14610	End	20031
Name	OJ990502_21.9919.C3.o1.gp	Method	AAT/GAP
Start	14831	End	14943
GI	uC-osf1cyp088b12b1	Score	166
Exons	14831..14943		

GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8961	Strand	-
Start	14610	End	20031
Name	OJ990502_21.9919.C3.o5.np	Method	AAT/NAP
Start	16445	End	17777
GI	6523547	Score	305
Exons	16445..16865, 16965..17777		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	3460	End	3723
GI	none	Score	110
Exons	3460..3573, 3550..3723		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	3727	End	4032
GI	none	Score	58
Exons	3727..3801, 3807..3887, 3808..4032, 3939..4028		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	3784	End	5562
GI	none	Score	69
Exons	3784..3855, 4894..4992, 4975..5193, 5046..5129, 5233..5397, 5241..5396, 5427..5561, 5428..5562		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	4945	End	5547
GI	none	Score	220
Exons	4945..5211, 5212..5409, 5253..5396, 5430..5474, 5431..5547		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	4948	End	5745
GI	none	Score	76
Exons	4948..5022, 5041..5190, 5226..5396, 5227..5400, 5424..5546, 5431..5562, 5614..5745		
Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-

Start	20464	End	20575
Name	OJ990502_21.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	5062	End	5469
GI	none	Score	150
Exons	5062..5193, 5064..5192, 5217..5411, 5230..5412, 5410..5469		

Seq. No.	4274	Seq. ID	OJ990502_21.9919.C3
Gene No.	8962	Strand	-
Start	20464	End	20575
Name	OJ990502_21.9919.C3.o2.gp	Method	AAT/GAP
Start	20464	End	20575
GI	uC-osflcyp088b12b1	Score	156
Exons	20464..20575		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8963	Strand	+
Start	7262	End	9718
Name	OJ990502_21.9919.C4.o2.gs	Method	GENSCAN
Start	7262	End	9718
GI	none	Score	.99
Exons	7262..7309, 9426..9575, 9635..9718		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8964	Strand	-
Start	499	End	6381
Name	OJ990502_21.9919.C4.o1.gs	Method	GENSCAN
Start	499	End	6381
GI	none	Score	.5
Exons	499..2611, 2638..3195, 3240..3534, 3589..3712, 3749..3886, 4019..4530, 4583..4720, 4744..6195, 6219..6381		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8964	Strand	-
Start	499	End	6381
Name	OJ990502_21.9919.C4.o1.np	Method	AAT/NAP
Start	503	End	5846
GI	6498441	Score	5049
Exons	503..720, 814..1710, 1745..2253, 2440..3066, 3240..3374, 3558..3940, 4004..4454, 4782..5846		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o8.tw	Method	TBLASTX:Wheat
Start	502	End	1035
GI	none	Score	118
Exons	502..573, 604..642, 758..907, 760..1035, 959..1024		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o5.tw	Method	TBLASTX:Wheat

Start	1037	End	1432
GI	none	Score	231
Exons	1037..1432, 1051..1431		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	1235	End	1569
GI	none	Score	215
Exons	1235..1375, 1246..1569, 1256..1552		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o9.tw	Method	TBLASTX:Wheat
Start	1813	End	2079
GI	none	Score	198
Exons	1813..2079		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	2020	End	2445
GI	none	Score	89
Exons	2020..2256, 2332..2445		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o6.tw	Method	TBLASTX:Wheat
Start	2119	End	2568
GI	none	Score	110
Exons	2119..2271, 2120..2260, 2338..2475, 2344..2568, 2345..2500		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	2904	End	3274
GI	none	Score	77
Exons	2904..3134, 3131..3274, 3132..3260		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	2929	End	3352
GI	none	Score	115
Exons	2929..3114, 2934..3140, 3131..3352, 3132..3347		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	3027	End	3410

GI	none	Score	166
Exons	3027..3137, 3125..3409, 3126..3410		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	3437	End	3721
GI	none	Score	169
Exons	3437..3721, 3447..3713		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	3461	End	3933
GI	none	Score	241
Exons	3461..3721, 3462..3704, 3503..3724, 3767..3931, 3775..3933		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o4.tw	Method	TBLASTX:Wheat
Start	4040	End	4571
GI	none	Score	152
Exons	4040..4570, 4116..4376, 4142..4570, 4398..4571		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o7.tw	Method	TBLASTX:Wheat
Start	5306	End	5695
GI	none	Score	115
Exons	5306..5563, 5340..5564, 5538..5648, 5546..5644, 5651..5695		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	5408	End	5693
GI	none	Score	107
Exons	5408..5656, 5409..5693		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o3.gs	Method	GENSCAN
Start	11303	End	12742
GI	none	Score	.98
Exons	11303..12742		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o2.np	Method	AAT/NAP
Start	11333	End	12841
GI	1346396	Score	1089

Exons	11333..12841
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	11390	End	12826
GI	none	Score	63
Exons	11390..11488, 11556..11696, 11570..11686, 11703..11894, 11711..11905, 11918..12097, 11979..12095, 12722..12826		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	11570	End	12154
GI	none	Score	91
Exons	11570..12064, 11649..11921, 11976..12068, 12080..12154		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	11625	End	12047
GI	none	Score	198
Exons	11625..11909, 11654..11893, 11703..11894, 11891..12037, 11903..12046, 11976..12047		

Seq. No.	4275	Seq. ID	OJ990502_21.9919.C4
Gene No.	8965	Strand	-
Start	11303	End	12841
Name	OJ990502_21.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	11738	End	12181
GI	none	Score	88
Exons	11738..11890, 11738..11890, 11918..12178, 11921..12181		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8966	Strand	+
Start	1613	End	2856
Name	OJ990502_21.9919.C5.o1.np	Method	AAT/NAP
Start	1613	End	2856
GI	6721543	Score	110
Exons	1613..1742, 2798..2856		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8966	Strand	+
Start	1613	End	2856
Name	OJ990502_21.9919.C5.o1.gp	Method	AAT/GAP
Start	1627	End	2065

GI	7406_1.R1084	Score	581
Exons	1627..1956, 1991..2065		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8967	Strand	+
Start	10447	End	20527
Name	OJ990502_21.9919.C5.o3.gs	Method	GENSCAN
Start	10447	End	20527
GI	none	Score	.61
Exons	10447..11904, 12202..12342, 12428..12665, 12720..12896, 13884..14159, 15528..15651, 16944..17684, 17862..18505, 20466..20527		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8967	Strand	+
Start	10447	End	20527
Name	OJ990502_21.9919.C5.o4.np	Method	AAT/NAP
Start	12743	End	13445
GI	2388970	Score	729
Exons	12743..13445		
GI Descrip.	(Z98979) tat binding homolog [Schizosaccharomyces pombe]		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8967	Strand	+
Start	10447	End	20527
Name	OJ990502_21.9919.C5.o6.gp	Method	AAT/GAP
Start	18075	End	18236
GI	1037040	Score	242
Exons	18075..18236		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o2.gs	Method	GENSCAN
Start	1543	End	8457
GI	none	Score	.7
Exons	1543..1704, 2280..2446, 2597..2799, 2804..2851, 2915..3046, 3293..3390, 3417..3542, 3635..3893, 3970..4268, 4358..4768, 4853..5189, 5295..5445, 5829..6124, 6326..8457		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o2.gp	Method	AAT/GAP
Start	2008	End	2461
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	2008..2461		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o2.np	Method	AAT/NAP
Start	2565	End	8004

GI	5441880	Score	4797
Exons	2565..2799, 2915..3046, 3293..3390, 3635..3893, 3970..4268, 4853..5189, 5295..5445, 5949..6264, 6523..6554, 6999..8004		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o3.gp	Method	AAT/GAP
Start	3643	End	4142
GI	LIB3475-007-P1-K1-G8	Score	785
Exons	3643..3893, 3970..4142		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	6769	End	7149
GI	none	Score	79
Exons	6769..6945, 6799..6945, 6830..6949, 6943..7140, 6994..7149		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	6847	End	7447
GI	none	Score	151
Exons	6847..6918, 6982..7281, 7043..7264, 7315..7434, 7337..7447		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o4.gp	Method	AAT/GAP
Start	6969	End	7400
GI	5701669	Score	849
Exons	6969..7400		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073
Name	OJ990502_21.9919.C5.o3.np	Method	AAT/NAP
Start	8017	End	9073
GI	6721543	Score	176
Exons	8017..8133, 8946..9073		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8968	Strand	-
Start	1543	End	9073

Name	OJ990502_21.9919.C5.o5.gp	Method	AAT/GAP
Start	8895	End	9059
GI	7406_1.R1084	Score	226
Exons	8895..9059		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8969	Strand	
Start	12715	End	13503
Name	OJ990502_21.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	12715	End	13085
GI	none	Score	612
Exons	12715..13083, 12716..13084, 12717..13085		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8969	Strand	
Start	12715	End	13503
Name	OJ990502_21.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	12736	End	13438
GI	none	Score	156
Exons	12736..12933, 12751..12921, 12752..12922, 12755..12934, 12959..13321, 12959..13102, 12961..13323, 13132..13305, 13133..13330, 13352..13438, 13352..13438, 13372..13422		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8969	Strand	
Start	12715	End	13503
Name	OJ990502_21.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	12752	End	13503
GI	none	Score	156
Exons	12752..12922, 12755..12934, 12959..13321, 12959..13102, 12961..13323, 13133..13330, 13159..13338, 13352..13438, 13352..13438, 13462..13503		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8969	Strand	
Start	12715	End	13503
Name	OJ990502_21.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	12752	End	13438
GI	none	Score	156
Exons	12752..12922, 12755..12934, 12959..13321, 12959..13102, 12961..13323, 12970..13083, 13133..13330, 13183..13287, 13348..13422, 13352..13438, 13352..13438		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8969	Strand	
Start	12715	End	13503
Name	OJ990502_21.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	13145	End	13321
GI	none	Score	179
Exons	13145..13321, 13159..13278		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8970	Strand	
Start	17068	End	17571
Name	OJ990502_21.9919.C5.o1.tm	Method	TBLASTX:Maize

Start	17068	End	17571
GI	none	Score	119
Exons	17068..17184, 17076..17153, 17137..17406, 17203..17403, 17205..17405, 17389..17571, 17397..17570		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8970	Strand	
Start	17068	End	17571
Name	OJ990502_21.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	17223	End	17523
GI	none	Score	219
Exons	17223..17384, 17236..17391, 17422..17523, 17475..17507		

Seq. No.	4276	Seq. ID	OJ990502_21.9919.C5
Gene No.	8971	Strand	
Start	17572	End	18675
Name	OJ990502_21.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	17572	End	18675
GI	none	Score	163
Exons	17572..17685, 17579..17683, 17925..17981, 17979..18047, 17980..18096, 17982..18026, 18043..18087, 18052..18084, 18130..18207, 18131..18205, 18138..18206, 18138..18209, 18226..18303, 18227..18286, 18320..18382, 18320..18376, 18322..18378, 18383..18511, 18389..18502, 18528..18626, 18528..18674, 18532..18675		

Seq. No.	4277	Seq. ID	OJ990502_21.9919.C6
Gene No.	8972	Strand	-
Start	860	End	1139
Name	OJ990502_21.9919.C6.o1.np	Method	AAT/NAP
Start	860	End	1139
GI	1346396	Score	131
Exons	860..1139		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o1.np	Method	AAT/NAP
Start	1	End	1791
GI	479356	Score	1107
Exons	1..1791		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	1	End	288
GI	none	Score	105
Exons	1..180, 1..186, 5..202, 175..288		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	294
GI	none	Score	142
Exons	1..294, 2..196		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	4	End	294
GI	none	Score	197
Exons	4..294		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o1.gs	Method	GENSCAN
Start	11	End	3253
GI	none	Score	.66
Exons	11..1546, 1773..1895, 1913..2194, 3219..3253		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	709	End	883
GI	none	Score	67
Exons	709..780, 713..787, 805..882, 806..883		

Seq. No.	4278	Seq. ID	OJ990502_21.9919.C7
Gene No.	8973	Strand	-
Start	1	End	3253
Name	OJ990502_21.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	1108	End	1426
GI	none	Score	141
Exons	1108..1257, 1109..1258, 1226..1339, 1227..1340, 1228..1404, 1262..1345, 1337..1426, 1351..1425, 1376..1426		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8974	Strand	+
Start	618	End	2423
Name	OJ990502_21.9919.C9.o1.gs	Method	GENSCAN
Start	618	End	2423
GI	none	Score	.45
Exons	618..761, 1119..1282, 2079..2423		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8975	Strand	+
Start	8513	End	11408
Name	OJ990502_21.9919.C9.o4.gs	Method	GENSCAN
Start	8513	End	10012
GI	none	Score	.79
Exons	8513..8597, 8808..10012		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8975	Strand	+
Start	8513	End	11408
Name	OJ990502_21.9919.C9.o3.np	Method	AAT/NAP
Start	8669	End	11408
GI	6069646	Score	631
Exons	8669..9124, 9413..10324, 11350..11408		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8976	Strand	-
Start	662	End	5331
Name	OJ990502_21.9919.C9.o1.np	Method	AAT/NAP
Start	662	End	4976
GI	6815052	Score	463
Exons	662..780, 1071..1146, 1228..1391, 4927..4976		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8976	Strand	-
Start	662	End	5331
Name	OJ990502_21.9919.C9.o2.gs	Method	GENSCAN
Start	2923	End	5316
GI	none	Score	.91
Exons	2923..5316		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8976	Strand	-
Start	662	End	5331
Name	OJ990502_21.9919.C9.o2.np	Method	AAT/NAP
Start	2956	End	5331
GI	1346396	Score	1579
Exons	2956..5331		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8977	Strand	-
Start	5916	End	7594
Name	OJ990502_21.9919.C9.o3.gs	Method	GENSCAN
Start	5916	End	7594
GI	none	Score	.53
Exons	5916..5978, 6849..6941, 7436..7594		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167

Name	OJ990502_21.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	3004	End	4914
GI	none	Score	64
Exons	3004..3111, 3167..3310, 3193..3309, 3211..3315, 3326..3445, 3334..3531, 3541..3720, 3581..3721, 4012..4107, 4168..4263, 4405..4569, 4816..4914		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	3022	End	3780
GI	none	Score	50
Exons	3022..3132, 3199..3315, 3199..3315, 3328..3693, 3329..3388, 3488..3631, 3700..3780		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	3193	End	3777
GI	none	Score	113
Exons	3193..3699, 3272..3640, 3662..3700, 3703..3777		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	3248	End	3670
GI	none	Score	40
Exons	3248..3304, 3277..3516, 3338..3448, 3361..3465, 3529..3669, 3530..3670		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o5.tm	Method	TBLASTX:Maize
Start	4207	End	4426
GI	none	Score	70
Exons	4207..4242, 4240..4320, 4244..4321, 4340..4426, 4345..4425		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o3.tm	Method	TBLASTX:Maize
Start	4651	End	4954
GI	none	Score	120
Exons	4651..4884, 4652..4744, 4654..4884, 4796..4906, 4873..4953, 4880..4954		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	8672	End	9346
GI	none	Score	497
Exons	8672..9346, 8707..8820, 8890..9345		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o2.tw	Method	TBLASTX:Wheat
Start	8990	End	9433
GI	none	Score	236
Exons	8990..9283, 9155..9277, 9298..9339, 9299..9352, 9355..9432, 9383..9433		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o4.tm	Method	TBLASTX:Maize
Start	9409	End	9691
GI	none	Score	173
Exons	9409..9462, 9410..9589, 9526..9588, 9602..9691		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o6.tm	Method	TBLASTX:Maize
Start	9818	End	13755
GI	none	Score	150
Exons	9818..10123, 10172..10285, 13639..13755		

Seq. No.	4279	Seq. ID	OJ990502_21.9919.C9
Gene No.	8978	Strand	-
Start	13717	End	14167
Name	OJ990502_21.9919.C9.o1.gp	Method	AAT/GAP
Start	13717	End	14167
GI	2800838	Score	390
Exons	13717..13809, 13955..14167		

Seq. No.	4280	Seq. ID	OJ990412_10.9923.C1
Gene No.	8979	Strand	+
Start	87	End	528
Name	OJ990412_10.9923.C1.o1.gp	Method	AAT/GAP
Start	87	End	222
GI	none	Score	234
Exons	87..222		

Seq. No.	4280	Seq. ID	OJ990412_10.9923.C1
Gene No.	8979	Strand	+
Start	87	End	528
Name	OJ990412_10.9923.C1.o1.gs	Method	GENSCAN
Start	119	End	528
GI	none	Score	.55
Exons	119..257, 344..528		

Seq. No.	4281	Seq. ID	OJ990412_10.9923.C2
Gene No.	8980	Strand	-
Start	484	End	684
Name	OJ990412_10.9923.C2.o1.gs	Method	GENSCAN
Start	484	End	586
GI	none	Score	.47
Exons	484..586		

Seq. No.	4281	Seq. ID	OJ990412_10.9923.C2
Gene No.	8980	Strand	-
Start	484	End	684
Name	OJ990412_10.9923.C2.o1.np	Method	AAT/NAP
Start	484	End	684
GI	4982478	Score	109
Exons	484..540, 639..684		
GI Descrip.	(AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4282	Seq. ID	OJ990412_10.9923.C4
Gene No.	8981	Strand	-
Start	356	End	458
Name	OJ990412_10.9923.C4.o1.gs	Method	GENSCAN
Start	356	End	458
GI	none	Score	1
Exons	356..458		

Seq. No.	4283	Seq. ID	OJ990412_10.9923.C10
Gene No.	8982	Strand	-
Start	211	End	443
Name	OJ990412_10.9923.C10.o1.gs	Method	GENSCAN
Start	211	End	443
GI	none	Score	.61
Exons	211..443		

Seq. No.	4283	Seq. ID	OJ990412_10.9923.C10
Gene No.	8982	Strand	-
Start	211	End	443
Name	OJ990412_10.9923.C10.o1.np	Method	AAT/NAP
Start	265	End	443
GI	5295960	Score	181
Exons	265..443		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	4284	Seq. ID	OJ990412_10.9923.C14
Gene No.	8983	Strand	-
Start	309	End	467
Name	OJ990412_10.9923.C14.o1.gs	Method	GENSCAN
Start	309	End	467
GI	none	Score	.81
Exons	309..467		

Seq. No.	4285	Seq. ID	OJ990412_10.9923.C17
Gene No.	8984	Strand	-
Start	454	End	566
Name	OJ990412_10.9923.C17.o1.gs	Method	GENSCAN
Start	454	End	566
GI	none	Score	.5
Exons	454..566		

Seq. No.	4286	Seq. ID	OJ990412_10.9923.C18
Gene No.	8985	Strand	+
Start	145	End	668
Name	OJ990412_10.9923.C18.o1.gs	Method	GENSCAN
Start	145	End	668

GI	none	Score	.97
Exons	145..469, 474..668		

Seq. No.	4286	Seq. ID	OJ990412_10.9923.C18
Gene No.	8986	Strand	-
Start	1	End	575
Name	OJ990412_10.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	575
GI	6498458	Score	348
Exons	1..362, 404..575		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	4287	Seq. ID	OJ990412_10.9923.C19
Gene No.	8987	Strand	+
Start	331	End	660
Name	OJ990412_10.9923.C19.o1.gp	Method	AAT/GAP
Start	331	End	660
GI	427042	Score	660
Exons	331..660		

Seq. No.	4287	Seq. ID	OJ990412_10.9923.C19
Gene No.	8988	Strand	-
Start	322	End	364
Name	OJ990412_10.9923.C19.o1.gs	Method	GENSCAN
Start	322	End	364
GI	none	Score	.55
Exons	322..364		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657
Name	OJ990412_10.9923.C23.o1.np	Method	AAT/NAP
Start	1	End	657
GI	2618699	Score	267
Exons	1..657		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657
Name	OJ990412_10.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	32	End	610
GI	none	Score	53
Exons	32..88, 34..114, 115..447, 140..436, 391..609, 467..610, 468..596, 470..610		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657
Name	OJ990412_10.9923.C23.o1.gs	Method	GENSCAN
Start	83	End	598
GI	none	Score	.62
Exons	83..598		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657

Name	OJ990412_10.9923.C23.o1.ts	Method	TBLASTX:Soybean
Start	176	End	519
GI	none	Score	269
Exons	176..478, 211..519		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657
Name	OJ990412_10.9923.C23.o1.tc	Method	TBLASTX:Cress
Start	229	End	589
GI	none	Score	235
Exons	229..477, 230..493, 533..589		

Seq. No.	4288	Seq. ID	OJ990412_10.9923.C23
Gene No.	8989	Strand	+
Start	1	End	657
Name	OJ990412_10.9923.C23.o1.tw	Method	TBLASTX:Wheat
Start	419	End	652
GI	none	Score	249
Exons	419..652, 422..610, 427..648		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.np	Method	AAT/NAP
Start	1480	End	2160
GI	6735317	Score	258
Exons	1480..2160		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.gs	Method	GENSCAN
Start	1518	End	1998
GI	none	Score	.99
Exons	1518..1998		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o2.tm	Method	TBLASTX:Maize
Start	1524	End	1829
GI	none	Score	167
Exons	1524..1829, 1536..1730, 1552..1827		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	1536	End	1904
GI	none	Score	59
Exons	1536..1787, 1552..1773, 1788..1904		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160

Name	OJ990412_10.9923.C25.o1.gp	Method	AAT/GAP
Start	1569	End	1956
GI	LIB3434-055-P1-K1-F3	Score	704
Exons	1569..1956		
GI Descrip.	'2618699 3.0e-18 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.tw	Method	TBLASTX:Wheat
Start	1716	End	1983
GI	none	Score	124
Exons	1716..1979, 1717..1983		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	1746	End	2039
GI	none	Score	178
Exons	1746..1787, 1788..2039		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	1830	End	2159
GI	none	Score	194
Exons	1830..2159, 1831..1998, 2080..2124		

Seq. No.	4289	Seq. ID	OJ990412_10.9923.C25
Gene No.	8990	Strand	-
Start	1518	End	2160
Name	OJ990412_10.9923.C25.o2.gp	Method	AAT/GAP
Start	2039	End	2160
GI	24423_1.R1084	Score	233
Exons	2039..2160		
GI Descrip.	'6056194/gb|AAF02811.1|AC009400_7 2.0e-14 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8991	Strand	+
Start	3353	End	3529
Name	OJ990412_10.9923.C26.o1.np	Method	AAT/NAP
Start	3353	End	3529
GI	5295960	Score	219
Exons	3353..3529		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8992	Strand	-
Start	126	End	1421
Name	OJ990412_10.9923.C26.o1.gs	Method	GENSCAN
Start	126	End	1153
GI	none	Score	.95
Exons	126..389, 489..599, 686..856, 1006..1153		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8992	Strand	-
Start	126	End	1421
Name	OJ990412_10.9923.C26.o1.gp	Method	AAT/GAP
Start	721	End	1421
GI	none	Score	1068
Exons	721..856, 1006..1421		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8993	Strand	-
Start	2585	End	4248
Name	OJ990412_10.9923.C26.o2.gs	Method	GENSCAN
Start	2585	End	4248
GI	none	Score	.7
Exons	2585..2603, 3409..3515, 4213..4248		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o2.np	Method	AAT/NAP
Start	8066	End	11124
GI	2618699	Score	449
Exons	8066..9229, 10636..10846, 11016..11124		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o3.gs	Method	GENSCAN
Start	8101	End	11181
GI	none	Score	.88
Exons	8101..9314, 10636..10767, 10901..11181		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o1.tm	Method	TBLASTX:Maize
Start	8183	End	9049
GI	none	Score	276
Exons	8183..8233, 8191..8481, 8192..8482, 8538..8561, 8584..8625, 8635..8715, 8659..8745, 8667..8777, 8749..8820, 8749..9048, 8870..9049		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	8323	End	9069
GI	none	Score	120
Exons	8323..8355, 8365..8466, 8726..9034, 8767..9069		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o1.tw	Method	TBLASTX:Wheat
Start	8539	End	8826

GI	none	Score	156
Exons	8539..8826, 8555..8818, 8635..8823		

Seq. No.	4290	Seq. ID	OJ990412_10.9923.C26
Gene No.	8994	Strand	-
Start	8101	End	11181
Name	OJ990412_10.9923.C26.o1.tc	Method	TBLASTX:Cress
Start	8656	End	9016
GI	none	Score	148
Exons	8656..8712, 8752..9015, 8768..9016		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	2428	End	2884
GI	none	Score	383
Exons	2428..2856, 2431..2883, 2510..2884		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o2.gs	Method	GENSCAN
Start	2437	End	4774
GI	none	Score	.99
Exons	2437..3635, 3858..3983, 4144..4230, 4630..4774		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o1.np	Method	AAT/NAP
Start	2443	End	4884
GI	6056194	Score	462
Exons	2443..3609, 4834..4884		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o1.tw	Method	TBLASTX:Wheat
Start	2446	End	2745
GI	none	Score	292
Exons	2446..2745, 2506..2745		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	2702	End	3363
GI	none	Score	89
Exons	2702..2953, 2707..2955, 3019..3363		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	2890	End	3363

GI	none	Score	127
Exons	2890..3363, 2933..3346		

Seq. No.	4291	Seq. ID	OJ990412_10.9923.C27
Gene No.	8995	Strand	-
Start	2437	End	4884
Name	OJ990412_10.9923.C27.o1.tc	Method	TBLASTX:Cress
Start	2989	End	3346
GI	none	Score	84
Exons	2989..3048, 3052..3345, 3215..3346		

Seq. No.	4292	Seq. ID	OJ990412_10.9923.C28
Gene No.	8996	Strand	+
Start	687	End	851
Name	OJ990412_10.9923.C28.o1.gs	Method	GENSCAN
Start	687	End	851
GI	none	Score	.89
Exons	687..851		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	8997	Strand	+
Start	21623	End	24836
Name	OJ990412_10.9923.C29.o5.gs	Method	GENSCAN
Start	21623	End	24836
GI	none	Score	.68
Exons	21623..21908, 22096..22234, 22336..22388, 23317..23685, 23954..24039, 24672..24836		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	8998	Strand	+
Start	25928	End	33258
Name	OJ990412_10.9923.C29.o6.gs	Method	GENSCAN
Start	25928	End	29510
GI	none	Score	.66
Exons	25928..27226, 28475..28495, 28905..29510		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	8998	Strand	+
Start	25928	End	33258
Name	OJ990412_10.9923.C29.o7.gp	Method	AAT/GAP
Start	26432	End	26844
GI	2312320	Score	745
Exons	26432..26844		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	8998	Strand	+
Start	25928	End	33258
Name	OJ990412_10.9923.C29.o3.np	Method	AAT/NAP
Start	28922	End	33258
GI	6630700	Score	626
Exons	28922..29212, 29238..29489, 33157..33258		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29

Gene No.	8998	Strand	+
Start	25928	End	33258
Name	OJ990412_10.9923.C29.o4.np	Method	AAT/NAP
Start	32513	End	33258
GI	6539570	Score	187
Exons	32513..32702, 32862..32948, 33172..33258		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	8999	Strand	-
Start	808	End	3498
Name	OJ990412_10.9923.C29.o1.gs	Method	GENSCAN
Start	808	End	3498
GI	none	Score	.94
Exons	808..1955, 2594..2695, 3149..3214, 3366..3498		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9000	Strand	-
Start	3460	End	3706
Name	OJ990412_10.9923.C29.o1.gp	Method	AAT/GAP
Start	3460	End	3706
GI	568617	Score	481
Exons	3460..3706		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9001	Strand	-
Start	8306	End	9868
Name	OJ990412_10.9923.C29.o2.gs	Method	GENSCAN
Start	8306	End	9868
GI	none	Score	.85
Exons	8306..8410, 8700..8856, 9819..9868		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9002	Strand	-
Start	12228	End	18561
Name	OJ990412_10.9923.C29.o2.gp	Method	AAT/GAP
Start	12025	End	12433
GI	none	Score	708
Exons	12025..12433		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9002	Strand	-
Start	12228	End	18561
Name	OJ990412_10.9923.C29.o2.np	Method	AAT/NAP
Start	12225	End	14727
GI	2618699	Score	492
Exons	12225..13555, 14707..14727		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9002	Strand	-
Start	12228	End	18561
Name	OJ990412_10.9923.C29.o3.gs	Method	GENSCAN
Start	12228	End	18561
GI	none	Score	.8
Exons	12228..13468, 14053..14298, 14441..14626, 14787..14876, 14975..15046, 15134..15376, 16716..16877, 18510..18561		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9002	Strand	-
Start	12228	End	18561
Name	OJ990412_10.9923.C29.o3.gp	Method	AAT/GAP
Start	12934	End	14566
GI	none	Score	1672
Exons	12934..13468, 14053..14298, 14441..14566		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9002	Strand	-
Start	12228	End	18561
Name	OJ990412_10.9923.C29.o4.gp	Method	AAT/GAP
Start	15193	End	15544
GI	none	Score	683
Exons	15193..15544		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9003	Strand	-
Start	19873	End	20901
Name	OJ990412_10.9923.C29.o4.gs	Method	GENSCAN
Start	19873	End	20901
GI	none	Score	.54
Exons	19873..20901		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9004	Strand	-
Start	21205	End	21316
Name	OJ990412_10.9923.C29.o5.gp	Method	AAT/GAP
Start	21205	End	21316
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	21205..21316		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9005	Strand	-
Start	30630	End	31576
Name	OJ990412_10.9923.C29.o7.gs	Method	GENSCAN
Start	30630	End	31576
GI	none	Score	.67
Exons	30630..30841, 31561..31576		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o1.tw	Method	TBLASTX:Wheat
Start	823	End	12561
GI	none	Score	91
Exons	823..1122, 848..955, 1016..1123, 12258..12500, 12261..12497, 12507..12560, 12523..12561		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o2.tc	Method	TBLASTX:Cress

Start	832	End	12620
GI	none	Score	69
Exons	832..1068, 1084..1200, 12279..12620, 12294..12464		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	880	End	13415
GI	none	Score	176
Exons	880..1224, 881..1186, 1414..1740, 1495..1686, 1568..1741, 1792..1824, 1841..1948, 1861..1947, 12321..12476, 12321..12497, 12322..12489, 12504..12647, 12505..12636, 12657..12737, 12795..13181, 13021..13182, 13215..13292, 13240..13293, 13347..13415		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o1.ts	Method	TBLASTX:Soybean
Start	1084	End	13181
GI	none	Score	231
Exons	1084..1320, 1405..1764, 12480..12674, 12825..13181		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o1.tc	Method	TBLASTX:Cress
Start	1366	End	13164
GI	none	Score	71
Exons	1366..1710, 1532..1711, 12807..12866, 12874..13164, 12897..13163		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o2.tm	Method	TBLASTX:Maize
Start	15126	End	15269
GI	none	Score	102
Exons	15126..15269, 15127..15246		

Seq. No.	4293	Seq. ID	OJ990412_10.9923.C29
Gene No.	9006	Strand	-
Start	32291	End	32713
Name	OJ990412_10.9923.C29.o8.gp	Method	AAT/GAP
Start	32291	End	32713
GI	LIB3479-006-Q6-K1-B11	Score	641
Exons	32291..32713		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4294	Seq. ID	OJ990412_10.9923.C31
Gene No.	9007	Strand	+
Start	122	End	1002
Name	OJ990412_10.9923.C31.o1.gs	Method	GENSCAN
Start	122	End	1002
GI	none	Score	.85
Exons	122..285, 336..582, 619..1002		

Seq. No.	4294	Seq. ID	OJ990412_10.9923.C31
Gene No.	9008	Strand	-
Start	1	End	2082
Name	OJ990412_10.9923.C31.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	6815109	Score	213
Exons	1..391, 575..891, 961..1033, 1988..2082		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4295	Seq. ID	OJ990412_10.9923.C32
Gene No.	9009	Strand	+
Start	819	End	898
Name	OJ990412_10.9923.C32.o1.np	Method	AAT/NAP
Start	819	End	898
GI	4680183	Score	75
Exons	819..898		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4295	Seq. ID	OJ990412_10.9923.C32
Gene No.	9010	Strand	-
Start	438	End	908
Name	OJ990412_10.9923.C32.o1.gs	Method	GENSCAN
Start	438	End	908
GI	none	Score	.59
Exons	438..519, 766..908		

Seq. No.	4296	Seq. ID	OJ990412_10.9923.C33
Gene No.	9011	Strand	+
Start	183	End	324
Name	OJ990412_10.9923.C33.o1.gs	Method	GENSCAN
Start	183	End	324
GI	none	Score	.77
Exons	183..324		

Seq. No.	4297	Seq. ID	OJ990412_10.9923.C34
Gene No.	9012	Strand	+
Start	247	End	359
Name	OJ990412_10.9923.C34.o1.gs	Method	GENSCAN
Start	247	End	359
GI	none	Score	.78
Exons	247..359		

Seq. No.	4298	Seq. ID	OJ990412_10.9923.C36
Gene No.	9013	Strand	-
Start	466	End	597
Name	OJ990412_10.9923.C36.o1.gs	Method	GENSCAN
Start	466	End	597
GI	none	Score	.71
Exons	466..597		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9014	Strand	+
Start	452	End	592
Name	OJ990412_10.9923.C38.o1.gs	Method	GENSCAN
Start	452	End	592
GI	none	Score	.69

Exons	452..592		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9015	Strand	+
Start	5777	End	20999
Name	OJ990412_10.9923.C38.o3.gs	Method	GENSCAN
Start	5777	End	20999
GI	none	Score	.66
Exons	5777..5802, 5862..6108, 6610..6678, 6962..7087, 7505..7585, 8263..8498, 8578..8724, 8956..9331, 9410..9531, 10123..10219, 10318..10444, 10515..10647, 12187..12254, 12775..12933, 18942..19099, 20376..20556, 20842..20999		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9016	Strand	+
Start	22059	End	22321
Name	OJ990412_10.9923.C38.o4.gs	Method	GENSCAN
Start	22059	End	22321
GI	none	Score	.62
Exons	22059..22131, 22215..22321		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9017	Strand	-
Start	1481	End	4283
Name	OJ990412_10.9923.C38.o2.gs	Method	GENSCAN
Start	1481	End	4283
GI	none	Score	.47
Exons	1481..1564, 2849..3008, 3273..3549, 4265..4283		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9017	Strand	-
Start	1481	End	4283
Name	OJ990412_10.9923.C38.o1.np	Method	AAT/NAP
Start	2027	End	2459
GI	6539570	Score	189
Exons	2027..2093, 2257..2459		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9018	Strand	-
Start	19524	End	21543
Name	OJ990412_10.9923.C38.o3.np	Method	AAT/NAP
Start	19524	End	21543
GI	6721512	Score	80
Exons	19524..19624, 21440..21543		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o5.gs	Method	GENSCAN
Start	22910	End	35250
GI	none	Score	.48
Exons	22910..23004, 23975..24054, 24882..24997, 25336..25490, 26010..26137, 26383..26505, 26762..27092, 27144..27230, 27458..27798, 27850..27895, 29431..29497, 29657..29788, 30662..30739, 31199..31376, 31446..31618, 31708..31809,		

31894..31971, 32495..32582, 34191..34279, 34706..34900,
34989..35250

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o3.gp	Method	AAT/GAP
Start	29003	End	30778
GI	4093_1.R1084	Score	1279
Exons	29003..29497, 29657..29788, 30662..30778		
GI Descrip.	'4982478/gb|AAD36946.1|AF069441_6 2.0e-47 (AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o3.tm	Method	TBLASTX:Maize
Start	29235	End	31243
GI	none	Score	43
Exons	29235..29303, 29237..29302, 29291..29506, 29292..29495, 29293..29499, 29294..29500, 29656..29790, 29657..29791, 29658..29789, 30662..30766, 30663..30740, 31196..31243		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o4.np	Method	AAT/NAP
Start	29257	End	35389
GI	4982478	Score	1727
Exons	29257..29497, 29657..29788, 30662..30739, 31199..31376, 31446..31618, 31708..31809, 31894..31971, 32355..32436, 32520..32582, 34373..34452, 34706..34900, 34989..35254, 35340..35389		
GI Descrip.	(AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o1.tc	Method	TBLASTX:Cress
Start	29291	End	31622
GI	none	Score	155
Exons	29291..29506, 29292..29495, 29657..29791, 29661..29789, 30662..30712, 31196..31315, 31200..31322, 31202..31249, 31316..31378, 31317..31379, 31444..31605, 31445..31621, 31446..31532, 31450..31602, 31452..31622		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o1.ts	Method	TBLASTX:Soybean
Start	31289	End	35232
GI	none	Score	113
Exons	31289..31378, 31293..31379, 31293..31379, 31442..31492, 31445..31489, 31447..31491, 31493..31621, 31494..31532, 31587..31622, 31705..31812, 31706..31816, 31835..31972, 31891..31974, 31891..31971, 32349..32435, 32350..32433,		

32514..32582, 32519..32584, 32519..32581, 34370..34453,
34372..34452, 34626..34901, 34685..34903, 34703..34903,
34813..34911, 34982..35041, 34983..35069, 34983..35231,
34987..35232

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o4.gp	Method	AAT/GAP
Start	31345	End	32401
GI	LIB3431-053-P1-K1-B3	Score	709
Exons	31345..31376, 31446..31618, 31708..31809, 31894..31971, 32355..32401		
GI Descrip.	'4982478/gb|AAD36946.1|AF069441_6 9.0e-53 (AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o1.tm	Method	TBLASTX:Maize
Start	31441	End	31806
GI	none	Score	178
Exons	31441..31602, 31445..31621, 31445..31621, 31705..31806, 31706..31804		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o2.tm	Method	TBLASTX:Maize
Start	32365	End	34901
GI	none	Score	117
Exons	32365..32433, 32366..32434, 32367..32435, 32514..32582, 32519..32584, 32519..32581, 34369..34452, 34370..34453, 34372..34452, 34694..34900, 34703..34900, 34704..34901		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o5.gp	Method	AAT/GAP
Start	32675	End	32793
GI	uC-osroM202017a05a1	Score	137
Exons	32675..32793		
GI Descrip.	'6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4299	Seq. ID	OJ990412_10.9923.C38
Gene No.	9019	Strand	-
Start	22910	End	35389
Name	OJ990412_10.9923.C38.o4.tm	Method	TBLASTX:Maize
Start	35099	End	35253
GI	none	Score	199
Exons	35099..35251, 35099..35251, 35100..35252, 35101..35253		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9020	Strand	+
Start	6565	End	8360
Name	OJ990412_10.9923.C39.o2.gs	Method	GENSCAN

Start	6565	End	8360
GI	none	Score	.96
Exons	6565..6617, 6674..6998, 7003..7197, 7534..7612, 7879..8005, 8201..8360		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o1.gs	Method	GENSCAN
Start	233	End	6126
GI	none	Score	.65
Exons	233..299, 767..948, 1091..1195, 1997..2099, 2165..2296, 2527..2845, 3025..3076, 3869..3964, 4498..4600, 4755..4901, 5543..5655, 5750..5893, 6016..6126		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o2.ts	Method	TBLASTX:Soybean
Start	291	End	628
GI	none	Score	109
Exons	291..464, 308..487, 331..495, 335..418, 343..459, 566..628		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o1.np	Method	AAT/NAP
Start	331	End	3959
GI	4982478	Score	1233
Exons	331..495, 574..634, 725..948, 1091..1195, 1403..1522, 1997..2053, 2152..2296, 2527..2845, 3890..3959		
GI Descrip.	(AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o1.tm	Method	TBLASTX:Maize
Start	331	End	840
GI	none	Score	202
Exons	331..489, 333..488, 542..646, 566..646, 567..647, 722..838, 724..840, 727..840		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o1.gp	Method	AAT/GAP
Start	701	End	1475
GI	uC-osroM202014d10b1	Score	726
Exons	701..948, 1091..1195, 1403..1475		
GI Descrip.	'4982478/gb|AAD36946.1|AF069441_6 4.0e-66 (AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o2.tm	Method	TBLASTX:Maize

Start	2229	End	2663
GI	none	Score	112
Exons	2229..2297, 2231..2299, 2233..2352, 2519..2557, 2527..2661, 2527..2571, 2529..2663		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o2.np	Method	AAT/NAP
Start	4577	End	7104
GI	6498458	Score	351
Exons	4577..4685, 6689..6891, 6933..7104		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9021	Strand	-
Start	233	End	7104
Name	OJ990412_10.9923.C39.o1.ts	Method	TBLASTX:Soybean
Start	4766	End	6100
GI	none	Score	63
Exons	4766..4849, 4782..4853, 5542..5655, 5747..5788, 5787..5906, 5795..5920, 6016..6087, 6026..6100		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9022	Strand	
Start	8133	End	8333
Name	OJ990412_10.9923.C39.o3.ts	Method	TBLASTX:Soybean
Start	8133	End	8333
GI	none	Score	72
Exons	8133..8252, 8146..8250, 8148..8273, 8178..8333		

Seq. No.	4300	Seq. ID	OJ990412_10.9923.C39
Gene No.	9022	Strand	
Start	8133	End	8333
Name	OJ990412_10.9923.C39.o3.tm	Method	TBLASTX:Maize
Start	8136	End	8276
GI	none	Score	48
Exons	8136..8180, 8139..8177, 8172..8276, 8177..8263		

Seq. No.	4301	Seq. ID	OJ990412_10.9923.C40
Gene No.	9023	Strand	-
Start	820	End	2046
Name	OJ990412_10.9923.C40.o1.gs	Method	GENSCAN
Start	820	End	2046
GI	none	Score	.43
Exons	820..887, 1060..1212, 1733..1805, 1987..2046		

Seq. No.	4301	Seq. ID	OJ990412_10.9923.C40
Gene No.	9024	Strand	
Start	1987	End	2350
Name	OJ990412_10.9923.C40.o1.tm	Method	TBLASTX:Maize
Start	1987	End	2350
GI	none	Score	93
Exons	1987..2046, 1988..2047, 1990..2049, 2179..2349, 2180..2350		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9025	Strand	+

Start	217	End	949
Name	OJ990412_10.9923.C41.o1.gs	Method	GENSCAN
Start	217	End	949
GI	none	Score	.58
Exons	217..815, 832..949		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9026	Strand	+
Start	2087	End	4084
Name	OJ990412_10.9923.C41.o1.np	Method	AAT/NAP
Start	2005	End	4084
GI	5103813	Score	511
Exons	2005..2562, 3051..3150, 3223..3318, 3401..3481, 4025..4084		
GI Descrip.	(AC007591) Contains a PF|00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb|H76345 and gb|AA651465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9026	Strand	+
Start	2087	End	4084
Name	OJ990412_10.9923.C41.o2.gs	Method	GENSCAN
Start	2087	End	3468
GI	none	Score	.81
Exons	2087..2562, 3051..3150, 3223..3318, 3382..3468		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9026	Strand	+
Start	2087	End	4084
Name	OJ990412_10.9923.C41.o1.gp	Method	AAT/GAP
Start	2266	End	3093
GI	LIB3433-056-P1-K1-H9	Score	605
Exons	2266..2562, 3051..3093		
GI Descrip.	'5103813/gb|AAD39643.1|AC007591_8 3.0e-12 (AC007591) Contains a PF_00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb_H76345 and gb_AA651465 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9027	Strand	+
Start	4228	End	4557
Name	OJ990412_10.9923.C41.o2.gp	Method	AAT/GAP
Start	4228	End	4557
GI	427042	Score	660
Exons	4228..4557		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9028	Strand	+
Start	4863	End	5643
Name	OJ990412_10.9923.C41.o3.gp	Method	AAT/GAP
Start	4863	End	5643
GI	none	Score	1428
Exons	4863..5643		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o3.tm	Method	TBLASTX:Maize
Start	48	End	419

GI	none	Score	93
Exons	48..107, 49..108, 51..110, 240..419, 241..408		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o2.tm	Method	TBLASTX:Maize
Start	2207	End	4087
GI	none	Score	59
Exons	2207..2380, 2375..2476, 2522..2560, 3048..3155, 3048..3161, 3049..3168, 3202..3318, 3222..3314, 3398..3481, 4037..4087		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o2.ts	Method	TBLASTX:Soybean
Start	3048	End	4087
GI	none	Score	122
Exons	3048..3161, 3052..3168, 3202..3330, 3222..3329, 3398..3481, 3403..3483, 3595..3645, 4016..4087		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o3.gs	Method	GENSCAN
Start	5120	End	5977
GI	none	Score	.99
Exons	5120..5977		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o1.tw	Method	TBLASTX:Wheat
Start	5488	End	5841
GI	none	Score	326
Exons	5488..5841, 5488..5829		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o4.gp	Method	AAT/GAP
Start	5758	End	7328
GI	none	Score	755
Exons	5758..6005, 6635..6707, 7229..7328		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o4.gs	Method	GENSCAN
Start	6545	End	11096
GI	none	Score	.73
Exons	6545..6594, 6635..6707, 7229..7369, 8364..8614, 8658..8903, 9460..9631, 10012..10092, 10182..10385, 10887..11096		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453

Name	OJ990412_10.9923.C41.o5.gp	Method	AAT/GAP
Start	8396	End	11284
GI	17993_1.R1084	Score	2409
Exons	8396..8903, 9430..9631, 10012..10092, 10182..10385, 10887..11096, 11169..11284		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o2.np	Method	AAT/NAP
Start	8398	End	11453
GI	6685541	Score	1205
Exons	8398..8901, 9428..9631, 10012..10092, 10182..10385, 10887..11096, 11169..11453		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o1.tm	Method	TBLASTX:Maize
Start	9424	End	11283
GI	none	Score	136
Exons	9424..9564, 9430..9639, 9488..9634, 10012..10089, 10012..10092, 10013..10090, 10169..10351, 10182..10385, 10183..10386, 10231..10386, 10909..11097, 10941..11105, 10986..11075, 10990..11100, 11167..11283, 11167..11262, 11169..11282		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o1.ts	Method	TBLASTX:Soybean
Start	9430	End	11276
GI	none	Score	65
Exons	9430..9543, 9491..9634, 10012..10092, 10025..10090, 10185..10289, 10185..10385, 10234..10380, 10905..11105, 10968..11099, 10990..11106, 11167..11268, 11172..11276		

Seq. No.	4302	Seq. ID	OJ990412_10.9923.C41
Gene No.	9029	Strand	-
Start	5120	End	11453
Name	OJ990412_10.9923.C41.o2.tw	Method	TBLASTX:Wheat
Start	10179	End	11198
GI	none	Score	137
Exons	10179..10289, 10182..10385, 10184..10336, 10231..10386, 10941..11105, 10989..11075, 10990..11100, 11160..11198		

Seq. No.	4303	Seq. ID	OJ990412_10.9923.C43
Gene No.	9030	Strand	+
Start	422	End	657
Name	OJ990412_10.9923.C43.o1.gs	Method	GENSCAN
Start	422	End	657

GI	none	Score	.48
Exons	422..502, 561..657		

Seq. No.	4304	Seq. ID	OJ990412_10.9923.C45
Gene No.	9031	Strand	-
Start	1	End	262
Name	OJ990412_10.9923.C45.o1.np	Method	AAT/NAP
Start	1	End	262
GI	3452263	Score	292
Exons	1..262		
GI Descrip.	(AF035936) phosphatidylinositol 4-kinase; PI4K [Arabidopsis thaliana]		

Seq. No.	4304	Seq. ID	OJ990412_10.9923.C45
Gene No.	9031	Strand	-
Start	1	End	262
Name	OJ990412_10.9923.C45.o1.ts	Method	TBLASTX:Soybean
Start	1	End	131
GI	none	Score	122
Exons	1..129, 3..131, 7..129		

Seq. No.	4305	Seq. ID	OJ990412_10.9923.C48
Gene No.	9032	Strand	-
Start	1	End	193
Name	OJ990412_10.9923.C48.o1.gp	Method	AAT/GAP
Start	1	End	193
GI	4196_1.R1084	Score	360
Exons	1..193		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.gs	Method	GENSCAN
Start	327	End	757
GI	none	Score	.74
Exons	327..384, 487..757		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.np	Method	AAT/NAP
Start	445	End	764
GI	6016151	Score	338
Exons	445..764		
GI Descrip.	IMMUNOGLOBULIN BINDING PROTEIN HOMOLOG 3 PRECURSOR (HEAT SHOCK PROTEIN 70 HOMOLOG 3) gi|1575130 (U58209) lumenal binding protein cBiPe3 [Zea mays]		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.tc	Method	TBLASTX:Cress
Start	512	End	758
GI	none	Score	350
Exons	512..754, 537..758		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.ts	Method	TBLASTX:Soybean
Start	512	End	758
GI	none	Score	348
Exons	512..751, 537..758, 636..755		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.tw	Method	TBLASTX:Wheat
Start	512	End	758
GI	none	Score	355
Exons	512..751, 513..758, 636..755		

Seq. No.	4306	Seq. ID	OJ990412_10.9923.C50
Gene No.	9033	Strand	+
Start	327	End	764
Name	OJ990412_10.9923.C50.o1.tm	Method	TBLASTX:Maize
Start	513	End	758
GI	none	Score	361
Exons	513..758, 536..751, 648..755		

Seq. No.	4307	Seq. ID	OJ990412_10.9923.C51
Gene No.	9034	Strand	+
Start	1	End	566
Name	OJ990412_10.9923.C51.o1.np	Method	AAT/NAP
Start	1	End	566
GI	5430764	Score	74
Exons	1..58, 455..566		
GI Descrip.	(AC007504) Putative Phosphatidylinositol 4-kinase PI4K [Arabidopsis thaliana]		

Seq. No.	4308	Seq. ID	OJ990412_10.9923.C55
Gene No.	9035	Strand	-
Start	164	End	231
Name	OJ990412_10.9923.C55.o1.gs	Method	GENSCAN
Start	164	End	231
GI	none	Score	.55
Exons	164..231		

Seq. No.	4309	Seq. ID	OJ990412_10.9923.C56
Gene No.	9036	Strand	+
Start	169	End	308
Name	OJ990412_10.9923.C56.o1.gs	Method	GENSCAN
Start	169	End	308
GI	none	Score	.43
Exons	169..308		

Seq. No.	4310	Seq. ID	OJ990412_10.9923.C57
Gene No.	9037	Strand	-
Start	1	End	316
Name	OJ990412_10.9923.C57.o1.np	Method	AAT/NAP
Start	1	End	316
GI	2342678	Score	315

Exons	1..316		
GI Descrip.	(AC000106) Similar to Arabidopsis luminal binding protein (gb|D89342). [Arabidopsis thaliana]		
Seq. No.	4310	Seq. ID	OJ990412_10.9923.C57
Gene No.	9037	Strand	-
Start	1	End	316
Name	OJ990412_10.9923.C57.o1.gs	Method	GENSCAN
Start	56	End	259
GI	none	Score	.98
Exons	56..259		
Seq. No.	4311	Seq. ID	OJ990412_10.9923.C59
Gene No.	9038	Strand	+
Start	327	End	396
Name	OJ990412_10.9923.C59.o1.gs	Method	GENSCAN
Start	327	End	396
GI	none	Score	.67
Exons	327..396		
Seq. No.	4312	Seq. ID	OJ990412_10.9923.C60
Gene No.	9039	Strand	-
Start	1	End	531
Name	OJ990412_10.9923.C60.o1.np	Method	AAT/NAP
Start	1	End	531
GI	4982478	Score	233
Exons	1..67, 137..310, 400..531		
GI Descrip.	(AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]		
Seq. No.	4312	Seq. ID	OJ990412_10.9923.C60
Gene No.	9039	Strand	-
Start	1	End	531
Name	OJ990412_10.9923.C60.o1.ts	Method	TBLASTX:Soybean
Start	1	End	313
GI	none	Score	76
Exons	1..69, 2..70, 136..165, 145..171, 184..240, 185..313, 221..313		
Seq. No.	4312	Seq. ID	OJ990412_10.9923.C60
Gene No.	9039	Strand	-
Start	1	End	531
Name	OJ990412_10.9923.C60.o1.tc	Method	TBLASTX:Cress
Start	7	End	313
GI	none	Score	46
Exons	7..72, 29..73, 30..65, 136..165, 137..169, 172..297, 175..300, 176..313		
Seq. No.	4312	Seq. ID	OJ990412_10.9923.C60
Gene No.	9039	Strand	-
Start	1	End	531
Name	OJ990412_10.9923.C60.o1.tm	Method	TBLASTX:Maize
Start	136	End	498
GI	none	Score	35
Exons	136..165, 146..169, 172..303, 175..312, 176..313, 397..495, 397..498		
Seq. No.	4313	Seq. ID	OJ990412_10.9923.C62

Gene No.	9040	Strand	+
Start	508	End	691
Name	OJ990412_10.9923.C62.o1.gs	Method	GENSCAN
Start	508	End	691
GI	none	Score	.83
Exons	508..691		

Seq. No.	4314	Seq. ID	OJ990402_12.9922.C3
Gene No.	9041	Strand	-
Start	549	End	696
Name	OJ990402_12.9922.C3.o1.gs	Method	GENSCAN
Start	549	End	696
GI	none	Score	.59
Exons	549..696		

Seq. No.	4315	Seq. ID	OJ990402_12.9922.C12
Gene No.	9042	Strand	+
Start	625	End	772
Name	OJ990402_12.9922.C12.o1.gs	Method	GENSCAN
Start	625	End	772
GI	none	Score	.64
Exons	625..772		

Seq. No.	4316	Seq. ID	OJ990402_12.9922.C14
Gene No.	9043	Strand	-
Start	318	End	465
Name	OJ990402_12.9922.C14.o1.gs	Method	GENSCAN
Start	318	End	465
GI	none	Score	.65
Exons	318..465		

Seq. No.	4317	Seq. ID	OJ990402_12.9922.C16
Gene No.	9044	Strand	-
Start	942	End	1089
Name	OJ990402_12.9922.C16.o1.gs	Method	GENSCAN
Start	942	End	1089
GI	none	Score	.5
Exons	942..1089		

Seq. No.	4318	Seq. ID	OJ990402_12.9922.C17
Gene No.	9045	Strand	-
Start	910	End	1057
Name	OJ990402_12.9922.C17.o1.gs	Method	GENSCAN
Start	910	End	1057
GI	none	Score	.77
Exons	910..1057		

Seq. No.	4319	Seq. ID	OJ990402_12.9922.C20
Gene No.	9046	Strand	-
Start	310	End	457
Name	OJ990402_12.9922.C20.o1.gs	Method	GENSCAN
Start	310	End	457
GI	none	Score	.74
Exons	310..457		

Seq. No.	4320	Seq. ID	OJ990402_12.9922.C24
Gene No.	9047	Strand	-

Start	259	End	455
Name	OJ990402_12.9922.C24.o1.np	Method	AAT/NAP
Start	259	End	455
GI	6815052	Score	179
Exons	259..455		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	4321	Seq. ID	OJ990402_12.9922.C26
Gene No.	9048	Strand	+
Start	1	End	324
Name	OJ990402_12.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	324
GI	5295955	Score	158
Exons	1..90, 184..324		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4322	Seq. ID	OJ990402_12.9922.C39
Gene No.	9049	Strand	-
Start	285	End	432
Name	OJ990402_12.9922.C39.o1.gs	Method	GENSCAN
Start	285	End	432
GI	none	Score	.69
Exons	285..432		

Seq. No.	4323	Seq. ID	OJ990402_12.9922.C42
Gene No.	9050	Strand	+
Start	989	End	1119
Name	OJ990402_12.9922.C42.o1.gs	Method	GENSCAN
Start	989	End	1119
GI	none	Score	.86
Exons	989..1119		

Seq. No.	4324	Seq. ID	OJ990402_12.9922.C44
Gene No.	9051	Strand	+
Start	298	End	516
Name	OJ990402_12.9922.C44.o1.gs	Method	GENSCAN
Start	298	End	516
GI	none	Score	.85
Exons	298..516		

Seq. No.	4325	Seq. ID	OJ990402_12.9922.C46
Gene No.	9052	Strand	-
Start	920	End	1358
Name	OJ990402_12.9922.C46.o1.gs	Method	GENSCAN
Start	920	End	1358
GI	none	Score	.51
Exons	920..1043, 1287..1358		

Seq. No.	4326	Seq. ID	OJ990402_12.9922.C47
Gene No.	9053	Strand	-
Start	1030	End	1265
Name	OJ990402_12.9922.C47.o1.gs	Method	GENSCAN
Start	1030	End	1265
GI	none	Score	.72
Exons	1030..1179, 1196..1265		

Seq. No.	4327	Seq. ID	OJ990402_12.9922.C50
Gene No.	9054	Strand	+
Start	346	End	493
Name	OJ990402_12.9922.C50.o1.gs	Method	GENSCAN
Start	346	End	493
GI	none	Score	.48
Exons	346..493		

Seq. No.	4328	Seq. ID	OJ990402_12.9922.C52
Gene No.	9055	Strand	-
Start	39	End	147
Name	OJ990402_12.9922.C52.o1.gs	Method	GENSCAN
Start	39	End	147
GI	none	Score	.5
Exons	39..147		

Seq. No.	4329	Seq. ID	OJ990402_12.9922.C54
Gene No.	9056	Strand	-
Start	82	End	1335
Name	OJ990402_12.9922.C54.o1.gs	Method	GENSCAN
Start	82	End	1335
GI	none	Score	.54
Exons	82..279, 1060..1206, 1264..1335		

Seq. No.	4330	Seq. ID	OJ990402_12.9922.C58
Gene No.	9057	Strand	+
Start	72	End	1127
Name	OJ990402_12.9922.C58.o1.gs	Method	GENSCAN
Start	72	End	1127
GI	none	Score	.42
Exons	72..143, 1044..1127		

Seq. No.	4330	Seq. ID	OJ990402_12.9922.C58
Gene No.	9058	Strand	-
Start	1	End	3033
Name	OJ990402_12.9922.C58.o2.np	Method	AAT/NAP
Start	1	End	3033
GI	775215	Score	123
Exons	1..22, 1937..2008, 2404..2547, 2629..3033		
GI Descrip.	(U23857) EBNA1 [Herpesvirus papio]		

Seq. No.	4330	Seq. ID	OJ990402_12.9922.C58
Gene No.	9058	Strand	-
Start	1	End	3033
Name	OJ990402_12.9922.C58.o1.np	Method	AAT/NAP
Start	960	End	1606
GI	6815052	Score	255
Exons	960..1078, 1348..1418, 1500..1606		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	4330	Seq. ID	OJ990402_12.9922.C58
Gene No.	9058	Strand	-
Start	1	End	3033
Name	OJ990402_12.9922.C58.o2.gs	Method	GENSCAN
Start	2097	End	2849
GI	none	Score	.43
Exons	2097..2342, 2412..2849		

Seq. No.	4331	Seq. ID	OJ990402_12.9922.C59
Gene No.	9059	Strand	+
Start	1404	End	1512
Name	OJ990402_12.9922.C59.o2.gp	Method	AAT/GAP
Start	1404	End	1512
GI	uC-osflcyp088b12b1	Score	153
Exons	1404..1512		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4331	Seq. ID	OJ990402_12.9922.C59
Gene No.	9060	Strand	-
Start	719	End	2338
Name	OJ990402_12.9922.C59.o1.np	Method	AAT/NAP
Start	719	End	2338
GI	5295955	Score	153
Exons	719..830, 2218..2338		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9061	Strand	+
Start	2128	End	9353
Name	OJ990402_12.9922.C60.o1.np	Method	AAT/NAP
Start	2128	End	8532
GI	6006895	Score	914
Exons	2128..2534, 2667..3056, 3171..3329, 8202..8532		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9061	Strand	+
Start	2128	End	9353
Name	OJ990402_12.9922.C60.o1.gp	Method	AAT/GAP
Start	2146	End	2771
GI	74030_1.R1084	Score	932
Exons	2146..2534, 2667..2771		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9061	Strand	+
Start	2128	End	9353
Name	OJ990402_12.9922.C60.o1.gs	Method	GENSCAN
Start	2209	End	6649
GI	none	Score	.64
Exons	2209..2534, 2667..3056, 3171..3329, 5186..5229, 5934..6649		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9061	Strand	+
Start	2128	End	9353
Name	OJ990402_12.9922.C60.o2.gp	Method	AAT/GAP
Start	2859	End	9353
GI	5816516	Score	1155
Exons	2859..3056, 3171..3329, 9034..9353		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o1.tm	Method	TBLASTX:Maize
Start	2434	End	8532
GI	none	Score	101
Exons	2434..2535, 2641..2769, 2664..2780, 2665..2781, 2758..3048, 2796..3047, 8200..8259, 8353..8415, 8440..8532, 8442..8492		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o1.ts	Method	TBLASTX:Soybean
Start	2434	End	3327
GI	none	Score	104
Exons	2434..2535, 2665..2781, 2791..3054, 3175..3327		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o1.tw	Method	TBLASTX:Wheat
Start	2491	End	3054
GI	none	Score	62
Exons	2491..2535, 2655..2762, 2665..2856, 2665..2784, 2863..2907, 2968..3054		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o2.tc	Method	TBLASTX:Cress
Start	2811	End	3330
GI	none	Score	93
Exons	2811..2906, 2827..2934, 2929..3057, 2934..3053, 3172..3330		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o2.gs	Method	GENSCAN
Start	7102	End	9871
GI	none	Score	.58
Exons	7102..7419, 8239..8379, 9725..9871		

Seq. No.	4332	Seq. ID	OJ990402_12.9922.C60
Gene No.	9062	Strand	-
Start	7102	End	9871
Name	OJ990402_12.9922.C60.o1.tc	Method	TBLASTX:Cress
Start	8325	End	8523
GI	none	Score	284
Exons	8325..8504, 8344..8523		

Seq. No.	4333	Seq. ID	OJ990402_12.9922.C61
Gene No.	9063	Strand	+
Start	556	End	4940
Name	OJ990402_12.9922.C61.o1.gs	Method	GENSCAN
Start	556	End	4940
GI	none	Score	.69

Exons	556..662, 816..1030, 2359..2464, 3754..3969, 4036..4940		
Seq. No.	4333	Seq. ID	OJ990402_12.9922.C61
Gene No.	9064	Strand	-
Start	2241	End	3158
Name	OJ990402_12.9922.C61.o1.np	Method	AAT/NAP
Start	2241	End	3158
GI	6815053	Score	354
Exons	2241..2452, 2521..2708, 3012..3158		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	4334	Seq. ID	OJ990402_12.9922.C62
Gene No.	9065	Strand	+
Start	319	End	757
Name	OJ990402_12.9922.C62.o1.gs	Method	GENSCAN
Start	319	End	757
GI	none	Score	.75
Exons	319..390, 634..757		
Seq. No.	4335	Seq. ID	OJ990402_12.9922.C69
Gene No.	9066	Strand	+
Start	358	End	505
Name	OJ990402_12.9922.C69.o1.gs	Method	GENSCAN
Start	358	End	505
GI	none	Score	.44
Exons	358..505		
Seq. No.	4336	Seq. ID	OJ990402_12.9922.C74
Gene No.	9067	Strand	+
Start	286	End	348
Name	OJ990402_12.9922.C74.o1.gs	Method	GENSCAN
Start	286	End	348
GI	none	Score	.63
Exons	286..348		
Seq. No.	4337	Seq. ID	OJ990402_12.9922.C76
Gene No.	9068	Strand	-
Start	378	End	538
Name	OJ990402_12.9922.C76.o1.gs	Method	GENSCAN
Start	378	End	538
GI	none	Score	.9
Exons	378..538		
Seq. No.	4338	Seq. ID	OJ990402_12.9922.C77
Gene No.	9069	Strand	+
Start	65	End	147
Name	OJ990402_12.9922.C77.o1.gs	Method	GENSCAN
Start	65	End	147
GI	none	Score	.63
Exons	65..147		
Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9070	Strand	+
Start	5143	End	5784
Name	OJ990712_12.9927.C1.o4.np	Method	AAT/NAP
Start	5143	End	5784
GI	6721559	Score	323

Exons	5143..5618, 5648..5784		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9071	Strand	-
Start	1	End	4387
Name	OJ990712_12.9927.C1.o2.np	Method	AAT/NAP
Start	1	End	2890
GI	6721516	Score	234
Exons	1..62, 903..1242, 2863..2890		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9071	Strand	-
Start	1	End	4387
Name	OJ990712_12.9927.C1.o3.np	Method	AAT/NAP
Start	1	End	2056
GI	5042447	Score	427
Exons	1..23, 1585..2056		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9071	Strand	-
Start	1	End	4387
Name	OJ990712_12.9927.C1.o1.gs	Method	GENSCAN
Start	149	End	2056
GI	none	Score	.46
Exons	149..357, 381..426, 938..1000, 1029..1212, 1590..2056		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9071	Strand	-
Start	1	End	4387
Name	OJ990712_12.9927.C1.o1.np	Method	AAT/NAP
Start	337	End	4387
GI	4680183	Score	93
Exons	337..458, 4306..4387		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9072	Strand	-
Start	4927	End	7109
Name	OJ990712_12.9927.C1.o1.tw	Method	TBLASTX:Wheat
Start	1604	End	1841
GI	none	Score	58
Exons	1604..1807, 1605..1841, 1619..1840		

Seq. No.	4339	Seq. ID	OJ990712_12.9927.C1
Gene No.	9072	Strand	-
Start	4927	End	7109
Name	OJ990712_12.9927.C1.o3.gs	Method	GENSCAN
Start	4927	End	7109
GI	none	Score	.84
Exons	4927..4996, 5089..5212, 5630..5641, 6080..6209, 6326..6436, 6893..6976, 7087..7109		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9073	Strand	+
Start	543	End	5286
Name	OJ990712_12.9927.C2.o1.gs	Method	GENSCAN
Start	543	End	5029
GI	none	Score	.95
Exons	543..598, 1016..1070, 1620..1719, 2589..5029		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9073	Strand	+
Start	543	End	5286
Name	OJ990712_12.9927.C2.o1.gp	Method	AAT/GAP
Start	4377	End	5286
GI	425_3.R1084	Score	1729
Exons	4377..5286		
GI Descrip.	'6015065/sp|O23755|EF2_BETVU 1.0e-107 ELONGATION FACTOR 2 (EF-2) >gi_2369714_emb_CAB09900_ (Z97178) elongation factor 2 [Beta vulgaris]'		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9074	Strand	+
Start	16645	End	16746
Name	OJ990712_12.9927.C2.o3.gp	Method	AAT/GAP
Start	16645	End	16746
GI	90742_1.R1084	Score	101
Exons	16645..16746		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9075	Strand	+
Start	17159	End	19895
Name	OJ990712_12.9927.C2.o4.gs	Method	GENSCAN
Start	17159	End	19895
GI	none	Score	.58
Exons	17159..17161, 17398..19245, 19278..19895		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9076	Strand	-
Start	7130	End	8928
Name	OJ990712_12.9927.C2.o2.gp	Method	AAT/GAP
Start	6942	End	8928
GI	15098_1.R1084	Score	1178
Exons	6942..7254, 8612..8928		
GI Descrip.	'4406814/gb|AAD20122| 9.0e-37 (AC006201) putative peptidyl-prolyl isomerase [Arabidopsis thaliana]'		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9076	Strand	-
Start	7130	End	8928
Name	OJ990712_12.9927.C2.o2.gs	Method	GENSCAN
Start	7130	End	8858
GI	none	Score	.98
Exons	7130..7254, 8318..8356, 8612..8858		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9077	Strand	-

Start	11082	End	14870
Name	OJ990712_12.9927.C2.o3.gs	Method	GENSCAN
Start	11082	End	14870
GI	none	Score	.74
Exons	11082..11882, 14177..14341, 14395..14647, 14652..14706, 14744..14870		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o3.tw	Method	TBLASTX:Wheat
Start	1598	End	2986
GI	none	Score	65
Exons	1598..1678, 1609..1716, 1626..1718, 1638..1721, 2587..2985, 2588..2986, 2588..2986		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o1.tm	Method	TBLASTX:Maize
Start	1602	End	5047
GI	none	Score	134
Exons	1602..1718, 1638..1721, 2587..5028, 2588..5047, 2588..5044		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o2.tc	Method	TBLASTX:Cress
Start	1612	End	3367
GI	none	Score	89
Exons	1612..1716, 1617..1718, 1638..1721, 2587..3345, 2588..3367, 2594..3343		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o1.ts	Method	TBLASTX:Soybean
Start	1627	End	5029
GI	none	Score	81
Exons	1627..1710, 1629..1721, 1638..1721, 2587..4275, 2588..4306, 2606..4306, 4227..4307, 4289..4369, 4307..4393, 4333..5028, 4334..5029, 4358..5029		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o4.tw	Method	TBLASTX:Wheat
Start	3269	End	3661
GI	none	Score	611
Exons	3269..3661, 3277..3660		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o1.tc	Method	TBLASTX:Cress
Start	3410	End	5047
GI	none	Score	2577

Exons	3410..5047, 3418..5031		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o1.tw	Method	TBLASTX:Wheat
Start	3741	End	4387
GI	none	Score	473
Exons	3741..4148, 3742..4248, 3743..4387, 3745..4386, 3746..4387		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o2.tw	Method	TBLASTX:Wheat
Start	4445	End	4972
GI	none	Score	800
Exons	4445..4912, 4445..4915, 4447..4950, 4913..4972		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o4.tm	Method	TBLASTX:Maize
Start	7121	End	8834
GI	none	Score	73
Exons	7121..7255, 7128..7256, 7136..7249, 7146..7256, 8610..8834, 8611..8832		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o6.ts	Method	TBLASTX:Soybean
Start	7127	End	8829
GI	none	Score	126
Exons	7127..7255, 7146..7256, 7146..7256, 8610..8828, 8611..8829		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o5.tc	Method	TBLASTX:Cress
Start	7130	End	8852
GI	none	Score	126
Exons	7130..7255, 7146..7256, 8607..8852, 8611..8829		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o7.tm	Method	TBLASTX:Maize
Start	9935	End	10169
GI	none	Score	107
Exons	9935..10057, 9936..10064, 9948..10055, 9949..10065, 10050..10169, 10053..10160, 10057..10161		
Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o5.tm	Method	TBLASTX:Maize
Start	17935	End	19451

GI	none	Score	43
Exons	17935..18009, 18028..18147, 18028..18327, 18034..18222, 18124..18219, 18124..18222, 18223..18318, 18256..18330, 18352..18432, 18352..18729, 18444..18737, 18445..18732, 18478..18729, 18727..19137, 18735..18941, 18736..19053, 18744..18908, 18745..19053, 18886..18996, 18990..19052, 19012..19236, 19059..19235, 19293..19451		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o4.tc	Method	TBLASTX:Cress
Start	18028	End	19167
GI	none	Score	94
Exons	18028..18225, 18247..18324, 18334..18492, 18352..18423, 18445..18735, 18457..18708, 18607..18732, 18648..18743, 18730..19167, 18769..19041, 18823..19137, 18864..19127		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o5.tw	Method	TBLASTX:Wheat
Start	18037	End	19173
GI	none	Score	79
Exons	18037..18198, 18106..18216, 18217..18327, 18352..18423, 18444..18614, 18445..18735, 18733..19041, 18750..19040, 19011..19127, 19054..19128, 19063..19173		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o7.ts	Method	TBLASTX:Soybean
Start	18043	End	19041
GI	none	Score	86
Exons	18043..18222, 18229..18339, 18436..18735, 18748..19041, 18864..19031		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o5.ts	Method	TBLASTX:Soybean
Start	19066	End	19526
GI	none	Score	162
Exons	19066..19257, 19290..19526		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o3.tc	Method	TBLASTX:Cress
Start	19362	End	19907
GI	none	Score	441
Exons	19362..19895, 19388..19894, 19677..19907		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o3.tm	Method	TBLASTX:Maize

Start	19472	End	19904
GI	none	Score	376
Exons	19472..19798, 19494..19895, 19674..19904		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o2.ts	Method	TBLASTX:Soybean
Start	19527	End	19895
GI	none	Score	436
Exons	19527..19895, 19529..19894, 19728..19895		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o4.ts	Method	TBLASTX:Soybean
Start	23190	End	23945
GI	none	Score	159
Exons	23190..23435, 23210..23338, 23439..23570, 23631..23783, 23651..23812, 23786..23872, 23793..23945		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o6.tw	Method	TBLASTX:Wheat
Start	23445	End	23758
GI	none	Score	129
Exons	23445..23603, 23447..23530, 23607..23756, 23648..23758		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o6.tm	Method	TBLASTX:Maize
Start	23690	End	24001
GI	none	Score	202
Exons	23690..24001, 23691..23957		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o7.tw	Method	TBLASTX:Wheat
Start	24123	End	24377
GI	none	Score	196
Exons	24123..24377		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o3.ts	Method	TBLASTX:Soybean
Start	24126	End	25067
GI	none	Score	184
Exons	24126..24380, 24471..24704, 24768..25067, 24777..25028		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o2.tm	Method	TBLASTX:Maize

Start	24179	End	25094
GI	none	Score	284
Exons	24179..24364, 24180..24656, 24428..24553, 24666..25094		

Seq. No.	4340	Seq. ID	OJ990712_12.9927.C2
Gene No.	9078	Strand	-
Start	27196	End	27534
Name	OJ990712_12.9927.C2.o4.gp	Method	AAT/GAP
Start	27196	End	27534
GI	89243_1.R1084	Score	655
Exons	27196..27534		
GI Descrip.	'4415941/gb|AAD20171| 3.0e-42 (AC006418) putative arginine-serine rich splicing factor [Arabidopsis thaliana]'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9079	Strand	+
Start	4893	End	5307
Name	OJ990712_12.9927.C3.o2.gs	Method	GENSCAN
Start	4893	End	5307
GI	none	Score	.66
Exons	4893..4955, 5122..5307		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9080	Strand	+
Start	7438	End	10114
Name	OJ990712_12.9927.C3.o2.np	Method	AAT/NAP
Start	7438	End	10114
GI	5295950	Score	569
Exons	7438..7871, 10042..10114		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9080	Strand	+
Start	7438	End	10114
Name	OJ990712_12.9927.C3.o2.gp	Method	AAT/GAP
Start	7572	End	7982
GI	LIB3433-037-P1-K1-H5	Score	766
Exons	7572..7982		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9080	Strand	+
Start	7438	End	10114
Name	OJ990712_12.9927.C3.o3.gp	Method	AAT/GAP
Start	8228	End	8538
GI	LIB3475-011-P1-K1-B8	Score	583
Exons	8228..8538		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-140 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9081	Strand	+
Start	11586	End	13898
Name	OJ990712_12.9927.C3.o4.gs	Method	GENSCAN
Start	11586	End	13633

GI	none	Score	.58
Exons	11586..11639, 12779..13002, 13079..13289, 13436..13633		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9081	Strand	+
Start	11586	End	13898
Name	OJ990712_12.9927.C3.o5.gp	Method	AAT/GAP
Start	12094	End	12288
GI	none	Score	303
Exons	12094..12288		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9081	Strand	+
Start	11586	End	13898
Name	OJ990712_12.9927.C3.o6.gp	Method	AAT/GAP
Start	12290	End	12702
GI	uC-osflcyp031a06b1	Score	481
Exons	12290..12565, 12672..12702		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-15 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9081	Strand	+
Start	11586	End	13898
Name	OJ990712_12.9927.C3.o7.gp	Method	AAT/GAP
Start	13166	End	13898
GI	none	Score	1113
Exons	13166..13289, 13436..13898		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9082	Strand	+
Start	14891	End	19685
Name	OJ990712_12.9927.C3.o8.gp	Method	AAT/GAP
Start	14891	End	18531
GI	25594_1.R1084	Score	3300
Exons	14891..15203, 15938..16724, 17853..18531		
GI Descrip.	'2454182 6.0e-81 (U80185) pyruvate dehydrogenase E1 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9082	Strand	+
Start	14891	End	19685
Name	OJ990712_12.9927.C3.o4.np	Method	AAT/NAP
Start	15000	End	18127
GI	2454182	Score	1539
Exons	15000..15226, 15941..16724, 17853..18127		
GI Descrip.	(U80185) pyruvate dehydrogenase E1 alpha subunit [Arabidopsis thaliana]		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9082	Strand	+
Start	14891	End	19685
Name	OJ990712_12.9927.C3.o6.gs	Method	GENSCAN
Start	15977	End	19685
GI	none	Score	.7
Exons	15977..16724, 17853..18089, 18190..18239, 19425..19685		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9083	Strand	-
Start	147	End	3907
Name	OJ990712_12.9927.C3.o1.gp	Method	AAT/GAP
Start	147	End	3819
GI	89243_1.R1084	Score	1394
Exons	147..374, 1926..2158, 2304..2416, 3476..3639, 3764..3819		
GI Descrip.	'4415941/gb|AAD20171| 3.0e-42 (AC006418) putative arginine-serine rich splicing factor [Arabidopsis thaliana]'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9083	Strand	-
Start	147	End	3907
Name	OJ990712_12.9927.C3.o1.np	Method	AAT/NAP
Start	147	End	3581
GI	6899884	Score	606
Exons	147..374, 1926..2158, 2304..2416, 3476..3581		
GI Descrip.	(AL138642) ARGININE/SERINE-RICH SPLICING FACTOR RSP31 [Arabidopsis thaliana]		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9083	Strand	-
Start	147	End	3907
Name	OJ990712_12.9927.C3.o1.gs	Method	GENSCAN
Start	147	End	3907
GI	none	Score	.51
Exons	147..374, 1926..2158, 2304..2416, 2571..2705, 3476..3593, 3639..3734, 3764..3907		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9084	Strand	-
Start	7485	End	12904
Name	OJ990712_12.9927.C3.o3.gs	Method	GENSCAN
Start	7485	End	9835
GI	none	Score	.89
Exons	7485..7910, 8906..8962, 9737..9835		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9084	Strand	-
Start	7485	End	12904
Name	OJ990712_12.9927.C3.o4.gp	Method	AAT/GAP
Start	8734	End	10208
GI	3080_2.R1084	Score	618
Exons	8734..8785, 8906..8962, 9197..9256, 9686..9818, 10151..10208		
GI Descrip.	'4371280/gb|AAD18138| 3.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9084	Strand	-
Start	7485	End	12904
Name	OJ990712_12.9927.C3.o3.np	Method	AAT/NAP
Start	8906	End	12904
GI	4678947	Score	265
Exons	8906..8962, 9197..9256, 9686..9818, 10151..10236, 12873..12904		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3

Gene No.	9085	Strand	-
Start	14846	End	15223
Name	OJ990712_12.9927.C3.o5.gs	Method	GENSCAN
Start	14846	End	15223
GI	none	Score	.89
Exons	14846..15061, 15137..15223		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o2.tc	Method	TBLASTX:Cress
Start	149	End	3596
GI	none	Score	145
Exons	149..217, 320..376, 1934..2143, 1943..2062, 1974..2144, 1988..2149, 2134..2181, 2304..2417, 3474..3596		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o2.ts	Method	TBLASTX:Soybean
Start	170	End	2152
GI	none	Score	50
Exons	170..229, 176..217, 299..373, 320..376, 1929..2102, 1931..2152, 1974..2114		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o4.tm	Method	TBLASTX:Maize
Start	176	End	3614
GI	none	Score	43
Exons	176..217, 177..251, 305..370, 320..370, 324..377, 1925..2128, 1974..2129, 2132..2161, 2133..2159, 2303..2419, 2304..2417, 3474..3614		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o3.ts	Method	TBLASTX:Soybean
Start	8681	End	10242
GI	none	Score	83
Exons	8681..8785, 8682..8783, 8705..8785, 8900..8971, 8906..8968, 9197..9256, 9677..9820, 9690..9824, 10150..10242, 10151..10231		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o6.tm	Method	TBLASTX:Maize
Start	8694	End	9261
GI	none	Score	107
Exons	8694..8840, 8705..8785, 8900..8971, 8907..8966, 9197..9256, 9198..9257, 9199..9261		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o5.tm	Method	TBLASTX:Maize

Start	9659	End	10242
GI	none	Score	201
Exons	9659..9820, 9683..9820, 9684..9824, 10150..10242, 10151..10231		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o2.tm	Method	TBLASTX:Maize
Start	12717	End	13615
GI	none	Score	130
Exons	12717..12860, 12725..12883, 12730..12861, 12882..13001, 12887..13003, 12910..12996, 13049..13288, 13077..13289, 13079..13291, 13428..13523, 13430..13606, 13442..13615		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o4.ts	Method	TBLASTX:Soybean
Start	12749	End	13151
GI	none	Score	92
Exons	12749..12847, 12751..12843, 12893..13003, 12916..12981, 13070..13150, 13077..13151		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o3.tm	Method	TBLASTX:Maize
Start	15102	End	16191
GI	none	Score	90
Exons	15102..15215, 15122..15175, 15937..16191, 15938..16189		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o1.ts	Method	TBLASTX:Soybean
Start	15925	End	18157
GI	none	Score	180
Exons	15925..16281, 15937..16350, 15941..16363, 15959..16351, 16360..16698, 16361..16729, 16372..16584, 16373..16729, 17851..17928, 17855..18157, 18016..18126		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o1.tc	Method	TBLASTX:Cress
Start	15941	End	18135
GI	none	Score	643
Exons	15941..16363, 15943..16362, 16360..16698, 16370..16717, 16385..16729, 16404..16730, 17851..17925, 17855..18133, 18016..18135		

Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o1.tm	Method	TBLASTX:Maize
Start	16192	End	18249
GI	none	Score	860

Exons	16192..16698, 16193..16723, 16197..16730, 16232..16729, 17851..18126, 17852..18130, 17852..18139, 18001..18132, 18208..18249		
Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o1.tw	Method	TBLASTX:Wheat
Start	17972	End	18225
GI	none	Score	255
Exons	17972..18130, 17979..18149, 18001..18225, 18016..18126		
Seq. No.	4341	Seq. ID	OJ990712_12.9927.C3
Gene No.	9086	Strand	-
Start	19381	End	19989
Name	OJ990712_12.9927.C3.o5.np	Method	AAT/NAP
Start	19381	End	19989
GI	6815109	Score	257
Exons	19381..19989		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9087	Strand	+
Start	693	End	773
Name	OJ990712_12.9927.C4.o1.gp	Method	AAT/GAP
Start	693	End	773
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	693..773		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9088	Strand	+
Start	1290	End	2729
Name	OJ990712_12.9927.C4.o3.np	Method	AAT/NAP
Start	1290	End	2729
GI	6721561	Score	84
Exons	1290..1396, 2529..2729		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9088	Strand	+
Start	1290	End	2729
Name	OJ990712_12.9927.C4.o2.gp	Method	AAT/GAP
Start	1890	End	1995
GI	uC-osflcyp088b12b1	Score	136
Exons	1890..1995		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9089	Strand	-
Start	1	End	2729

Name	OJ990712_12.9927.C4.o1.np	Method	AAT/NAP
Start	1	End	472
GI	6815109	Score	423
Exons	1..325, 370..472		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9089	Strand	-
Start	1	End	2729
Name	OJ990712_12.9927.C4.o1.gs	Method	GENSCAN
Start	185	End	2588
GI	none	Score	.48
Exons	185..472, 1772..1882, 2282..2363, 2530..2588		

Seq. No.	4342	Seq. ID	OJ990712_12.9927.C4
Gene No.	9089	Strand	-
Start	1	End	2729
Name	OJ990712_12.9927.C4.o2.np	Method	AAT/NAP
Start	1168	End	2729
GI	4680183	Score	121
Exons	1168..1259, 2694..2729		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4343	Seq. ID	OJ990712_12.9927.C5
Gene No.	9090	Strand	+
Start	44	End	160
Name	OJ990712_12.9927.C5.o1.gs	Method	GENSCAN
Start	44	End	160
GI	none	Score	.68
Exons	44..160		

Seq. No.	4343	Seq. ID	OJ990712_12.9927.C5
Gene No.	9091	Strand	-
Start	1243	End	2525
Name	OJ990712_12.9927.C5.o2.gs	Method	GENSCAN
Start	1243	End	2525
GI	none	Score	.73
Exons	1243..1412, 1609..1700, 2447..2525		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9092	Strand	+
Start	1051	End	1472
Name	OJ990712_12.9927.C6.o1.gs	Method	GENSCAN
Start	1051	End	1472
GI	none	Score	.49
Exons	1051..1472		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9093	Strand	+
Start	7785	End	9093
Name	OJ990712_12.9927.C6.o2.np	Method	AAT/NAP
Start	7785	End	9093
GI	5777617	Score	101
Exons	7785..7821, 8967..9093		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6

Gene No.	9094	Strand	-
Start	2158	End	5681
Name	OJ990712_12.9927.C6.o1.gp	Method	AAT/GAP
Start	2158	End	3799
GI	3253_1.R1084	Score	1821
Exons	2158..2979, 3064..3145, 3760..3799		
GI Descrip.	'5042409/gb|AAD38248.1|AC006193_4 9.0e-66 (AC006193) Putative membrane related protein [Arabidopsis thaliana]'		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9094	Strand	-
Start	2158	End	5681
Name	OJ990712_12.9927.C6.o1.np	Method	AAT/NAP
Start	2540	End	4954
GI	5042409	Score	1005
Exons	2540..2979, 3064..3145, 3760..3843, 3935..4117, 4449..4608, 4725..4954		
GI Descrip.	(AC006193) Putative membrane related protein [Arabidopsis thaliana]		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9094	Strand	-
Start	2158	End	5681
Name	OJ990712_12.9927.C6.o2.gs	Method	GENSCAN
Start	2540	End	5681
GI	none	Score	.81
Exons	2540..2979, 3064..3145, 3760..3894, 3935..4117, 4431..4623, 4725..4988, 5272..5447, 5610..5681		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9094	Strand	-
Start	2158	End	5681
Name	OJ990712_12.9927.C6.o2.gp	Method	AAT/GAP
Start	4824	End	5467
GI	none	Score	1233
Exons	4824..5467		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	2525	End	4622
GI	none	Score	96
Exons	2525..2962, 2559..2663, 2757..2951, 2845..2961, 3060..3146, 3068..3163, 3760..3846, 3764..3844, 3926..4015, 4022..4114, 4032..4115, 4449..4622, 4465..4563		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o1.tc	Method	TBLASTX:Cress
Start	2543	End	3813
GI	none	Score	123
Exons	2543..2698, 2544..2663, 2738..2983, 2757..2996, 2842..3000, 3068..3163, 3069..3146, 3760..3813		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6

Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	2544	End	4054
GI	none	Score	35
Exons	2544..2621, 2554..2619, 2555..2641, 2556..2651, 2598..2681, 2618..2680, 2619..2681, 2696..2980, 2710..2730, 2731..2982, 2732..2980, 2760..3002, 2763..2996, 2773..2997, 3061..3147, 3065..3166, 3066..3146, 3760..3846, 3764..3844, 3925..4053, 3926..4054, 3935..4054		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o2.tc	Method	TBLASTX:Cress
Start	3814	End	4565
GI	none	Score	45
Exons	3814..3846, 3815..3844, 3923..4015, 3926..4024, 4022..4114, 4023..4115, 4449..4475, 4449..4565, 4483..4563		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	4452	End	4996
GI	none	Score	146
Exons	4452..4616, 4455..4622, 4796..4996, 4824..4970		

Seq. No.	4344	Seq. ID	OJ990712_12.9927.C6
Gene No.	9095	Strand	-
Start	8180	End	9517
Name	OJ990712_12.9927.C6.o3.gs	Method	GENSCAN
Start	8180	End	9517
GI	none	Score	.55
Exons	8180..8235, 9169..9517		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9096	Strand	+
Start	7592	End	9406
Name	OJ990712_12.9927.C7.o2.np	Method	AAT/NAP
Start	7592	End	9406
GI	6606570	Score	485
Exons	7592..7804, 7886..9406		
GI Descrip.	(AF215729) unknown [Glycine max]		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9097	Strand	+
Start	12595	End	12869
Name	OJ990712_12.9927.C7.o2.gp	Method	AAT/GAP
Start	12595	End	12869
GI	61605_1.R1084	Score	465
Exons	12595..12869		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9098	Strand	-

Start	88	End	1396
Name	OJ990712_12.9927.C7.o1.np	Method	AAT/NAP
Start	88	End	1396
GI	5777617	Score	77
Exons	88..188, 1343..1396		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o3.np	Method	AAT/NAP
Start	7945	End	11977
GI	5852179	Score	371
Exons	7945..8058, 10432..10682, 10757..10969, 11957..11977		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o1.tc	Method	TBLASTX:Cress
Start	8261	End	9175
GI	none	Score	45
Exons	8261..8326, 8414..8686, 8519..8689, 8522..8692, 8522..8689, 8813..9097, 8834..9094, 8842..9096, 8843..9175, 8848..9096		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o1.tw	Method	TBLASTX:Wheat
Start	8414	End	9151
GI	none	Score	57
Exons	8414..8551, 8522..8689, 8831..9151, 8846..8962, 8897..9097, 9050..9148		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o1.ts	Method	TBLASTX:Soybean
Start	8519	End	9184
GI	none	Score	94
Exons	8519..8689, 8522..8689, 8825..8953, 8843..9184, 8989..9162		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o1.tm	Method	TBLASTX:Maize
Start	8522	End	9211
GI	none	Score	90
Exons	8522..8689, 8775..8816, 8831..9103, 8843..9211, 8848..9159		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o2.gs	Method	GENSCAN
Start	10169	End	12397
GI	none	Score	.52
Exons	10169..10436, 10441..10957, 11957..12081, 12312..12397		

Seq. No.	4345	Seq. ID	OJ990712_12.9927.C7
Gene No.	9099	Strand	-
Start	7945	End	12397
Name	OJ990712_12.9927.C7.o1.gp	Method	AAT/GAP
Start	10883	End	11617
GI	101153_1.R1084	Score	394
Exons	10883..10921, 11369..11617		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9100	Strand	+
Start	1	End	1290
Name	OJ990712_12.9927.C8.o1.np	Method	AAT/NAP
Start	1	End	1287
GI	6907087	Score	794
Exons	1..635, 1186..1287		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9100	Strand	+
Start	1	End	1290
Name	OJ990712_12.9927.C8.o1.gs	Method	GENSCAN
Start	129	End	1290
GI	none	Score	.71
Exons	129..635, 1021..1123, 1186..1290		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o1.gp	Method	AAT/GAP
Start	1749	End	2133
GI	uC-osflcyp033a04b1	Score	612
Exons	1749..2133		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.ts	Method	TBLASTX:Soybean
Start	2736	End	15177
GI	none	Score	35
Exons	2736..2759, 2831..2893, 14560..14697, 14570..14713, 14753..14899, 14755..14901, 14903..14998, 15008..15166, 15010..15177		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.gs	Method	GENSCAN
Start	2831	End	22254
GI	none	Score	.42
Exons	2831..2975, 4011..4126, 5400..8718, 9376..9526, 9586..9785,		

10321..10447, 10473..10596, 10687..12920, 13006..13257,
13538..13619, 13894..14020, 14571..15184, 15313..15380,
16276..16529, 16883..17072, 17859..18017, 18106..18153,
18331..18741, 18823..21142, 21463..22254

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o10.tm	Method	TBLASTX:Maize
Start	3995	End	4321
GI	none	Score	98
Exons	3995..4111, 3996..4121, 4000..4122, 4020..4115, 4191..4307, 4197..4319, 4199..4321, 4208..4321		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.np	Method	AAT/NAP
Start	3996	End	8642
GI	4680203	Score	1703
Exons	3996..4018, 5400..7133, 7290..7514, 7791..8642		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o5.tw	Method	TBLASTX:Wheat
Start	5895	End	6488
GI	none	Score	229
Exons	5895..6185, 5897..6187, 6243..6359, 6246..6344, 6363..6488, 6380..6487		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o5.ts	Method	TBLASTX:Soybean
Start	5913	End	6185
GI	none	Score	292
Exons	5913..6185, 5930..6178		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o7.ts	Method	TBLASTX:Soybean
Start	6228	End	6503
GI	none	Score	221
Exons	6228..6503, 6263..6502		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o3.tc	Method	TBLASTX:Cress
Start	6252	End	6584
GI	none	Score	288
Exons	6252..6584, 6338..6388, 6422..6529		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8

Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o8.tm	Method	TBLASTX:Maize
Start	6390	End	6875
GI	none	Score	102
Exons	6390..6494, 6398..6493, 6497..6589, 6501..6590, 6658..6693, 6687..6734, 6735..6782, 6782..6871, 6786..6875		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o8.tw	Method	TBLASTX:Wheat
Start	6489	End	6824
GI	none	Score	57
Exons	6489..6530, 6534..6632, 6536..6631, 6678..6776, 6689..6760, 6786..6824		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o1.tm	Method	TBLASTX:Maize
Start	7380	End	7763
GI	none	Score	59
Exons	7380..7448, 7448..7762, 7449..7763		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.tw	Method	TBLASTX:Wheat
Start	7404	End	8537
GI	none	Score	546
Exons	7404..8120, 7457..8032, 8129..8311, 8139..8327, 8304..8405, 8315..8434, 8436..8537, 8438..8530		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.tc	Method	TBLASTX:Cress
Start	7695	End	8120
GI	none	Score	312
Exons	7695..8120, 7703..8032		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o9.tm	Method	TBLASTX:Maize
Start	8013	End	8303
GI	none	Score	146
Exons	8013..8183, 8061..8177, 8195..8302, 8196..8303		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o9.ts	Method	TBLASTX:Soybean
Start	8385	End	8597
GI	none	Score	187
Exons	8385..8597, 8385..8543		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o1.tc	Method	TBLASTX:Cress
Start	14560	End	17071
GI	none	Score	143
Exons	14560..14697, 14570..14707, 14728..14907, 14744..14908, 14912..15007, 15001..15177, 15008..15175, 16813..16920, 16877..16921, 16946..17071, 16963..17070		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o3.tm	Method	TBLASTX:Maize
Start	14566	End	15177
GI	none	Score	138
Exons	14566..14697, 14570..14710, 14735..14908, 14740..14907, 14912..14995, 15004..15177, 15008..15175		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o9.tw	Method	TBLASTX:Wheat
Start	14825	End	15175
GI	none	Score	80
Exons	14825..14920, 14912..14992, 15004..15174, 15008..15175		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o6.tw	Method	TBLASTX:Wheat
Start	18341	End	18727
GI	none	Score	347
Exons	18341..18727, 18355..18726		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o3.np	Method	AAT/NAP
Start	18347	End	22251
GI	6539553	Score	6661
Exons	18347..22251		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o4.tm	Method	TBLASTX:Maize
Start	18476	End	18789
GI	none	Score	357
Exons	18476..18787, 18484..18789, 18577..18789		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8

Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o2.tm	Method	TBLASTX:Maize
Start	19288	End	19610
GI	none	Score	268
Exons	19288..19542, 19295..19609, 19315..19608, 19443..19610		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o8.ts	Method	TBLASTX:Soybean
Start	19637	End	20023
GI	none	Score	88
Exons	19637..19792, 19775..20023		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o7.tw	Method	TBLASTX:Wheat
Start	19742	End	20080
GI	none	Score	275
Exons	19742..20080, 19813..19953, 19874..20059		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o7.tm	Method	TBLASTX:Maize
Start	19811	End	20245
GI	none	Score	297
Exons	19811..20245, 20020..20172		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o4.ts	Method	TBLASTX:Soybean
Start	20033	End	20458
GI	none	Score	185
Exons	20033..20257, 20041..20208, 20258..20458, 20266..20304		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o1.tw	Method	TBLASTX:Wheat
Start	20081	End	20836
GI	none	Score	611
Exons	20081..20551, 20090..20557, 20266..20583, 20589..20819, 20597..20836, 20619..20816, 20677..20835		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o1.ts	Method	TBLASTX:Soybean
Start	20756	End	21211
GI	5509260	Score	377
Exons	20756..21211, 20857..20925, 20974..21069, 21142..21201		
GI Descrip.	-		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o4.tc	Method	TBLASTX:Cress
Start	20849	End	21109
GI	none	Score	286
Exons	20849..21109, 20851..20928		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o4.tw	Method	TBLASTX:Wheat
Start	20891	End	21435
GI	none	Score	297
Exons	20891..21208, 21038..21208, 21229..21435, 21303..21425		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o5.tm	Method	TBLASTX:Maize
Start	20891	End	21354
GI	none	Score	305
Exons	20891..21202, 21026..21238, 21217..21354, 21250..21354		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o3.ts	Method	TBLASTX:Soybean
Start	21288	End	21633
GI	none	Score	311
Exons	21288..21488, 21289..21633		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o6.tm	Method	TBLASTX:Maize
Start	21444	End	21783
GI	none	Score	315
Exons	21444..21782, 21445..21783		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o3.tw	Method	TBLASTX:Wheat
Start	21639	End	22115
GI	none	Score	101
Exons	21639..21710, 21640..21714, 21729..22115, 21730..22077		

Seq. No.	4346	Seq. ID	OJ990712_12.9927.C8
Gene No.	9101	Strand	+
Start	2831	End	22254
Name	OJ990712_12.9927.C8.o6.ts	Method	TBLASTX:Soybean
Start	21646	End	21987
GI	none	Score	91
Exons	21646..21759, 21672..21752, 21778..21987, 21783..21908		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9

Gene No.	9102	Strand	+
Start	3913	End	5422
Name	OJ990712_12.9927.C9.o2.gs	Method	GENSCAN
Start	3913	End	5422
GI	none	Score	.4
Exons	3913..4036, 4279..4467, 4908..5422		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9102	Strand	+
Start	3913	End	5422
Name	OJ990712_12.9927.C9.o1.np	Method	AAT/NAP
Start	4860	End	5419
GI	4115926	Score	315
Exons	4860..5419		
GI Descrip.	(AF118222) similar to the subtilase family of serine proteases (Pfam: PF00082, Score=50.7, E=4.7e-13, n=3) [Arabidopsis thaliana] gi|4539413|emb|CAB40046.1| (AL049524) putative subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9103	Strand	-
Start	6435	End	7270
Name	OJ990712_12.9927.C9.o2.tm	Method	TBLASTX:Maize
Start	4861	End	5116
GI	none	Score	146
Exons	4861..4986, 4865..4987, 4885..4989, 4990..5115, 4991..5116		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9103	Strand	-
Start	6435	End	7270
Name	OJ990712_12.9927.C9.o1.tc	Method	TBLASTX:Cress
Start	4883	End	5191
GI	none	Score	126
Exons	4883..5044, 4891..4992, 5066..5191		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9103	Strand	-
Start	6435	End	7270
Name	OJ990712_12.9927.C9.o1.ts	Method	TBLASTX:Soybean
Start	4927	End	5314
GI	none	Score	110
Exons	4927..5043, 4931..5044, 5066..5314, 5092..5235		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9103	Strand	-
Start	6435	End	7270
Name	OJ990712_12.9927.C9.o1.tm	Method	TBLASTX:Maize
Start	5197	End	5425
GI	none	Score	272
Exons	5197..5391, 5201..5425, 5265..5420		

Seq. No.	4347	Seq. ID	OJ990712_12.9927.C9
Gene No.	9103	Strand	-
Start	6435	End	7270
Name	OJ990712_12.9927.C9.o3.gs	Method	GENSCAN
Start	6435	End	7270
GI	none	Score	.97

Exons	6435..6487, 7213..7270		
Seq. No.	4348	Seq. ID	OJ990712_12.9927.C10
Gene No.	9104	Strand	+
Start	3750	End	5637
Name	OJ990712_12.9927.C10.o1.np	Method	AAT/NAP
Start	3612	End	5107
GI	4115920	Score	248
Exons	3612..3807, 4505..4602, 4946..5107		
GI Descrip.	(AF118222) similar to the subtilase family of serine proteases (Pfam: PF00082, score; 45.8, E=1.1e-11, n=2) [Arabidopsis thaliana]		
Seq. No.	4348	Seq. ID	OJ990712_12.9927.C10
Gene No.	9104	Strand	+
Start	3750	End	5637
Name	OJ990712_12.9927.C10.o2.gs	Method	GENSCAN
Start	3750	End	5637
GI	none	Score	.84
Exons	3750..3807, 4946..5101, 5567..5637		
Seq. No.	4348	Seq. ID	OJ990712_12.9927.C10
Gene No.	9105	Strand	-
Start	6155	End	6467
Name	OJ990712_12.9927.C10.o3.gs	Method	GENSCAN
Start	6155	End	6467
GI	none	Score	.47
Exons	6155..6200, 6288..6467		
Seq. No.	4349	Seq. ID	OJ990712_12.9927.C12
Gene No.	9106	Strand	+
Start	249	End	505
Name	OJ990712_12.9927.C12.o1.gs	Method	GENSCAN
Start	249	End	505
GI	none	Score	.76
Exons	249..354, 360..505		
Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9107	Strand	+
Start	9771	End	10249
Name	OJ990712_12.9927.C13.o3.gs	Method	GENSCAN
Start	9771	End	10249
GI	none	Score	.54
Exons	9771..9934, 9939..9997, 10146..10249		
Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9108	Strand	-
Start	6434	End	9292
Name	OJ990712_12.9927.C13.o2.gs	Method	GENSCAN
Start	6434	End	9251
GI	none	Score	.98
Exons	6434..6580, 6685..6819, 6940..7111, 7395..7542, 7649..7831, 8062..8312, 8886..9038, 9133..9251		
Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9108	Strand	-
Start	6434	End	9292

Name	OJ990712_12.9927.C13.o1.np	Method	AAT/NAP
Start	7533	End	9239
GI	2342685	Score	612
Exons	7533..7831, 8062..8312, 8886..9038, 9133..9239		
GI Descrip.	(AC000106) Contains similarity to Rhodococcus amidase (gb|D16207). ESTs gb|T20504,gb|H36650,gb|N97423,gb|H36595 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9108	Strand	-
Start	6434	End	9292
Name	OJ990712_12.9927.C13.o1.gp	Method	AAT/GAP
Start	8974	End	9292
GI	700318	Score	417
Exons	8974..9038, 9133..9292		
GI Descrip.	2342685 4.0e-11 (AC000106) Contains similarity to Rhodococcus amidase (gb_D16207). ESTs gb_T20504,gb_H36650,gb_N97423,gb_H36595 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o2.tm	Method	TBLASTX:Maize
Start	6458	End	12505
GI	none	Score	47
Exons	6458..6583, 6494..6583, 6676..6819, 6683..6814, 6940..7053, 7063..7113, 7653..7832, 12190..12315, 12242..12313, 12422..12505		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o1.ts	Method	TBLASTX:Soybean
Start	6461	End	12555
GI	none	Score	87
Exons	6461..6583, 6461..6583, 6676..6810, 6683..6808, 12193..12288, 12193..12315, 12242..12313, 12421..12528, 12422..12490, 12520..12555		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o2.tc	Method	TBLASTX:Cress
Start	6479	End	12564
GI	none	Score	71
Exons	6479..6583, 6489..6581, 6676..6819, 6683..6814, 7003..7113, 7022..7105, 12211..12315, 12227..12313, 12421..12528, 12520..12564		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o1.tc	Method	TBLASTX:Cress
Start	8060	End	8315
GI	none	Score	298
Exons	8060..8314, 8061..8315		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o1.tm	Method	TBLASTX:Maize
Start	8093	End	9019
GI	none	Score	156
Exons	8093..8194, 8094..8198, 8186..8314, 8187..8315, 8223..8315, 8886..9017, 8888..9019		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o2.gp	Method	AAT/GAP
Start	12027	End	12465
GI	427083	Score	624
Exons	12027..12312, 12424..12465		

Seq. No.	4350	Seq. ID	OJ990712_12.9927.C13
Gene No.	9109	Strand	-
Start	12166	End	12564
Name	OJ990712_12.9927.C13.o4.gs	Method	GENSCAN
Start	12166	End	12564
GI	none	Score	1
Exons	12166..12312, 12424..12564		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9110	Strand	+
Start	788	End	6433
Name	OJ990712_12.9927.C14.o1.np	Method	AAT/NAP
Start	788	End	6433
GI	6498441	Score	6739
Exons	788..1851, 2182..2644, 2708..3081, 3265..3399, 3574..3817, 4010..4489, 4661..6058, 6152..6433		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9111	Strand	+
Start	6600	End	7056
Name	OJ990712_12.9927.C14.o1.gp	Method	AAT/GAP
Start	6600	End	7056
GI	2428323	Score	633
Exons	6600..7056		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9112	Strand	-
Start	7064	End	10249
Name	OJ990712_12.9927.C14.o2.gs	Method	GENSCAN
Start	7064	End	10249
GI	none	Score	.99
Exons	7064..10249		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9112	Strand	-

Start	7064	End	10249
Name	OJ990712_12.9927.C14.o2.np	Method	AAT/NAP
Start	7067	End	10249
GI	6907089	Score	4134
Exons	7067..8936, 8988..10249		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9113	Strand	-
Start	11094	End	11938
Name	OJ990712_12.9927.C14.o3.np	Method	AAT/NAP
Start	11094	End	11938
GI	5922623	Score	396
Exons	11094..11169, 11337..11484, 11858..11938		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o6.tw	Method	TBLASTX:Wheat
Start	936	End	1328
GI	none	Score	45
Exons	936..983, 990..1088, 1007..1087, 1055..1294, 1071..1328		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o7.tm	Method	TBLASTX:Maize
Start	938	End	1226
GI	none	Score	187
Exons	938..1225, 978..1226		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o4.tw	Method	TBLASTX:Wheat
Start	2066	End	2548
GI	none	Score	122
Exons	2066..2239, 2067..2228, 2067..2252, 2260..2520, 2261..2548		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o1.tw	Method	TBLASTX:Wheat
Start	2715	End	3178
GI	none	Score	219
Exons	2715..3176, 2716..3177, 2717..3178, 2717..3178		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o7.ts	Method	TBLASTX:Soybean
Start	2756	End	3121
GI	none	Score	118
Exons	2756..2980, 2987..3121		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o1.tm	Method	TBLASTX:Maize
Start	2846	End	3202
GI	none	Score	392
Exons	2846..3202, 2881..3192, 2969..3202		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o2.tm	Method	TBLASTX:Maize
Start	3229	End	3613
GI	none	Score	360
Exons	3229..3594, 3230..3613		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o2.tw	Method	TBLASTX:Wheat
Start	3286	End	3711
GI	none	Score	487
Exons	3286..3711, 3287..3706		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o4.ts	Method	TBLASTX:Soybean
Start	3365	End	3736
GI	none	Score	279
Exons	3365..3736, 3382..3525		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o5.tw	Method	TBLASTX:Wheat
Start	4334	End	4795
GI	none	Score	226
Exons	4334..4585, 4361..4585, 4426..4599, 4655..4795, 4657..4794		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o5.ts	Method	TBLASTX:Soybean
Start	4484	End	5050
GI	5666795	Score	68
Exons	4484..4582, 4658..4795, 4850..5050		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o8.tw	Method	TBLASTX:Wheat
Start	4798	End	5110
GI	none	Score	190
Exons	4798..5109, 4850..5110		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o3.tm	Method	TBLASTX:Maize
Start	5303	End	5626
GI	none	Score	359
Exons	5303..5626, 5320..5613		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o3.tw	Method	TBLASTX:Wheat
Start	5440	End	5841
GI	none	Score	374
Exons	5440..5496, 5441..5821, 5542..5841		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o7.tw	Method	TBLASTX:Wheat
Start	5846	End	6424
GI	none	Score	231
Exons	5846..6106, 5962..6105, 6298..6420, 6299..6424		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o6.tm	Method	TBLASTX:Maize
Start	6293	End	6463
GI	none	Score	197
Exons	6293..6463, 6298..6462		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o3.gs	Method	GENSCAN
Start	11891	End	17031
GI	none	Score	.74
Exons	11891..11956, 12172..12343, 12820..12967, 13070..13252, 13706..13812, 14049..14291, 14365..14462, 15631..15770, 15986..16106, 16345..16533, 16906..17031		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o4.np	Method	AAT/NAP
Start	12951	End	14402
GI	2342685	Score	535
Exons	12951..13252, 13706..13977, 14049..14201, 14287..14402		
GI Descrip.	(AC000106) Contains similarity to Rhodococcus amidase (gb|D16207). ESTs gb|T20504,gb|H36650,gb|N97423,gb|H36595 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201

Name	OJ990712_12.9927.C14.o1.tc	Method	TBLASTX:Cress
Start	13704	End	14111
GI	none	Score	156
Exons	13704..13850, 13705..13851, 13894..13980, 13914..13979, 14051..14071, 14055..14111		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o4.tm	Method	TBLASTX:Maize
Start	13737	End	14182
GI	none	Score	128
Exons	13737..13838, 13738..13842, 13894..13980, 13914..13979, 14051..14182, 14055..14180		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o6.ts	Method	TBLASTX:Soybean
Start	13894	End	14204
GI	none	Score	108
Exons	13894..13980, 13914..13979, 14051..14200, 14055..14204		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o2.gp	Method	AAT/GAP
Start	14137	End	14411
GI	700318	Score	245
Exons	14137..14201, 14287..14411		
GI Descrip.	2342685 4.0e-11 (AC000106) Contains similarity to Rhodococcus amidase (gb_D16207). ESTs gb_T20504,gb_H36650,gb_N97423,gb_H36595 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o5.tm	Method	TBLASTX:Maize
Start	15422	End	15696
GI	none	Score	133
Exons	15422..15535, 15422..15538, 15441..15539, 15441..15539, 15442..15555, 15624..15668, 15627..15692, 15628..15693, 15628..15696		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o2.ts	Method	TBLASTX:Soybean
Start	15431	End	16034
GI	none	Score	121
Exons	15431..15538, 15441..15545, 15444..15539, 15625..15759, 15628..15765, 15656..15781, 15760..15801, 15761..15802, 15984..16034		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-

Start	11891	End	17201
Name	OJ990712_12.9927.C14.o5.np	Method	AAT/NAP
Start	15443	End	17201
GI	4490341	Score	1237
Exons	15443..15538, 15631..15800, 15986..16106, 16253..16533, 16906..17201		
GI Descrip.	(AL035656) putative protein [Arabidopsis thaliana]		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o2.tc	Method	TBLASTX:Cress
Start	15680	End	16109
GI	none	Score	102
Exons	15680..15799, 15680..15796, 15685..15798, 15700..15801, 15987..16109, 15994..16107		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o3.ts	Method	TBLASTX:Soybean
Start	16256	End	16503
GI	none	Score	94
Exons	16256..16381, 16257..16379, 16363..16503, 16364..16498, 16369..16500		

Seq. No.	4351	Seq. ID	OJ990712_12.9927.C14
Gene No.	9114	Strand	-
Start	11891	End	17201
Name	OJ990712_12.9927.C14.o1.ts	Method	TBLASTX:Soybean
Start	16902	End	17167
GI	none	Score	118
Exons	16902..17162, 16906..17163, 16906..17166, 16907..17167		

Seq. No.	4352	Seq. ID	OJ990712_12.9927.C16
Gene No.	9115	Strand	+
Start	225	End	395
Name	OJ990712_12.9927.C16.o1.gs	Method	GENSCAN
Start	225	End	395
GI	none	Score	.79
Exons	225..395		

Seq. No.	4352	Seq. ID	OJ990712_12.9927.C16
Gene No.	9116	Strand	-
Start	146	End	438
Name	OJ990712_12.9927.C16.o1.np	Method	AAT/NAP
Start	146	End	438
GI	5295967	Score	185
Exons	146..438		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	4353	Seq. ID	OJ990712_12.9927.C17
Gene No.	9117	Strand	+
Start	60	End	410
Name	OJ990712_12.9927.C17.o1.gs	Method	GENSCAN
Start	60	End	410

GI	none	Score	.91
Exons	60..410		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9118	Strand	+
Start	565	End	11117
Name	OJ990802_13.9920.C1.o1.np	Method	AAT/NAP
Start	565	End	11111
GI	3287835	Score	672
Exons	565..670, 3265..3537, 3728..4105, 6905..7123, 7551..7686, 10341..10589, 10824..11111		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME A (D-CADINENE SYNTHASE) gi|1002523 (U27535) (+)-delta-cadinene synthase isozyme A [Gossypium arboreum] gi|1217956|emb|CAA65289| (X96429) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9118	Strand	+
Start	565	End	11117
Name	OJ990802_13.9920.C1.o1.gs	Method	GENSCAN
Start	3354	End	11117
GI	none	Score	.6
Exons	3354..3537, 3728..3840, 4170..4282, 5537..5668, 6905..7123, 7551..7686, 10341..10589, 10824..11117		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9119	Strand	+
Start	14780	End	16248
Name	OJ990802_13.9920.C1.o3.gs	Method	GENSCAN
Start	14780	End	16248
GI	none	Score	.57
Exons	14780..14843, 15140..15507, 16111..16248		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9120	Strand	+
Start	19825	End	22141
Name	OJ990802_13.9920.C1.o4.np	Method	AAT/NAP
Start	19825	End	22141
GI	4587577	Score	1580
Exons	19825..19916, 20060..20126, 20226..20675, 20709..21476, 21551..21725, 21765..22141		
GI Descrip.	(AC006550) F10O3.17 [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9121	Strand	+
Start	24197	End	26818
Name	OJ990802_13.9920.C1.o5.gs	Method	GENSCAN
Start	24197	End	26818
GI	none	Score	.52
Exons	24197..24207, 24253..24366, 26749..26818		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9122	Strand	+
Start	38699	End	42595
Name	OJ990802_13.9920.C1.o8.gs	Method	GENSCAN
Start	38699	End	41551
GI	none	Score	.95

Exons	38699..38735, 38925..38961, 39109..39481, 39814..39933, 41216..41551		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9122	Strand	+
Start	38699	End	42595
Name	OJ990802_13.9920.C1.o5.np	Method	AAT/NAP
Start	38879	End	42595
GI	1619602	Score	436
Exons	38879..38961, 39109..39481, 39814..39933, 41216..41326, 42479..42595		
GI Descrip.	(Y08726) MtN3 [Medicago truncatula]		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9123	Strand	+
Start	42862	End	56107
Name	OJ990802_13.9920.C1.o7.np	Method	AAT/NAP
Start	42862	End	54717
GI	2244929	Score	228
Exons	42862..42903, 48159..48265, 48668..49085, 49234..49362, 49454..50044, 52353..52562, 54554..54717		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9123	Strand	+
Start	42862	End	56107
Name	OJ990802_13.9920.C1.o9.gs	Method	GENSCAN
Start	43561	End	43824
GI	none	Score	.97
Exons	43561..43824		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9123	Strand	+
Start	42862	End	56107
Name	OJ990802_13.9920.C1.o10.gs	Method	GENSCAN
Start	44824	End	50869
GI	none	Score	.89
Exons	44824..44928, 45030..45108, 45247..45389, 46075..46147, 46199..46362, 46441..46806, 46854..48265, 48668..49080, 49208..50646, 50741..50869		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9123	Strand	+
Start	42862	End	56107
Name	OJ990802_13.9920.C1.o11.gs	Method	GENSCAN
Start	51824	End	56107
GI	none	Score	.83
Exons	51824..51879, 52021..52068, 52405..52562, 54557..54717, 55910..56107		
Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9124	Strand	+
Start	57569	End	57921
Name	OJ990802_13.9920.C1.o1.gp	Method	AAT/GAP
Start	57569	End	57921
GI	none	Score	631
Exons	57569..57921		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9125	Strand	+
Start	63807	End	64138
Name	OJ990802_13.9920.C1.o13.gs	Method	GENSCAN
Start	63807	End	64138
GI	none	Score	.82
Exons	63807..63877, 63991..64138		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9126	Strand	+
Start	71481	End	72001
Name	OJ990802_13.9920.C1.o10.np	Method	AAT/NAP
Start	71481	End	72001
GI	3738294	Score	266
Exons	71481..72001		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9127	Strand	+
Start	77124	End	84512
Name	OJ990802_13.9920.C1.o16.gs	Method	GENSCAN
Start	77124	End	84473
GI	none	Score	.52
Exons	77124..77262, 77268..77340, 77469..77658, 77740..77948, 78818..79009, 79355..79553, 79685..79824, 80081..80139, 80709..80775, 81403..82231, 83039..84473		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9127	Strand	+
Start	77124	End	84512
Name	OJ990802_13.9920.C1.o11.np	Method	AAT/NAP
Start	81245	End	84512
GI	3738294	Score	624
Exons	81245..81307, 81446..81674, 81804..82221, 83006..83776, 84338..84512		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9127	Strand	+
Start	77124	End	84512
Name	OJ990802_13.9920.C1.o5.gp	Method	AAT/GAP
Start	81405	End	81805
GI	2311030	Score	722
Exons	81405..81805		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9128	Strand	-
Start	1	End	15471
Name	OJ990802_13.9920.C1.o3.np	Method	AAT/NAP
Start	1	End	15471
GI	6714302	Score	293
Exons	1..332, 12942..13018, 13090..13144, 13549..13626, 14317..14384, 14507..14591, 14663..14837, 15321..15471		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1

Gene No.	9128	Strand	-
Start	1	End	15471
Name	OJ990802_13.9920.C1.o2.gs	Method	GENSCAN
Start	12193	End	12995
GI	none	Score	.97
Exons	12193..12324, 12942..12995		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o6.tm	Method	TBLASTX:Maize
Start	3754	End	10589
GI	none	Score	131
Exons	3754..3891, 3783..3872, 3919..4008, 3922..3975, 4024..4080, 4026..4070, 6881..7147, 6897..7130, 6961..7149, 7522..7563, 7567..7734, 10341..10538, 10361..10537, 10536..10589		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o10.tm	Method	TBLASTX:Maize
Start	10821	End	11096
GI	none	Score	215
Exons	10821..11096, 10826..11065		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o6.ts	Method	TBLASTX:Soybean
Start	13594	End	14723
GI	none	Score	71
Exons	13594..13620, 13701..13748, 14317..14385, 14318..14386, 14499..14591, 14500..14592, 14626..14718, 14652..14723, 14654..14722		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o5.tc	Method	TBLASTX:Cress
Start	14314	End	14723
GI	none	Score	75
Exons	14314..14394, 14315..14407, 14499..14591, 14652..14723, 14654..14722		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o9.tm	Method	TBLASTX:Maize
Start	14475	End	14815
GI	none	Score	107
Exons	14475..14591, 14503..14592, 14652..14729, 14654..14734, 14654..14728, 14664..14762, 14786..14815		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o4.tm	Method	TBLASTX:Maize

Start	20193	End	20600
GI	none	Score	266
Exons	20193..20600		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o5.ts	Method	TBLASTX:Soybean
Start	20235	End	20447
GI	none	Score	210
Exons	20235..20447		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o2.tw	Method	TBLASTX:Wheat
Start	20259	End	20579
GI	none	Score	209
Exons	20259..20579		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o1.tc	Method	TBLASTX:Cress
Start	20298	End	20638
GI	none	Score	366
Exons	20298..20630, 20393..20452, 20510..20638		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o3.ts	Method	TBLASTX:Soybean
Start	20448	End	20870
GI	none	Score	205
Exons	20448..20630, 20489..20644, 20702..20848, 20724..20870		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o1.ts	Method	TBLASTX:Soybean
Start	21012	End	21718
GI	none	Score	78
Exons	21012..21119, 21279..21500, 21548..21718, 21565..21699		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o3.tm	Method	TBLASTX:Maize
Start	21288	End	21985
GI	none	Score	169
Exons	21288..21497, 21383..21478, 21548..21718, 21568..21699, 21866..21985		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o2.tc	Method	TBLASTX:Cress

Start	21318	End	21718
GI	none	Score	148
Exons	21318..21476, 21554..21718		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o7.tm	Method	TBLASTX:Maize
Start	24261	End	24639
GI	none	Score	48
Exons	24261..24338, 24331..24591, 24589..24639		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o12.tm	Method	TBLASTX:Maize
Start	24820	End	25107
GI	none	Score	86
Exons	24820..24942, 24946..25011, 25003..25107		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o1.tw	Method	TBLASTX:Wheat
Start	24883	End	25107
GI	none	Score	145
Exons	24883..25107, 24884..25102		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o15.tm	Method	TBLASTX:Maize
Start	39109	End	39337
GI	none	Score	122
Exons	39109..39168, 39110..39193, 39241..39330, 39242..39337		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o4.tc	Method	TBLASTX:Cress
Start	39109	End	41281
GI	none	Score	117
Exons	39109..39168, 39110..39193, 39242..39472, 39819..39932, 39823..39948, 41204..41281		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o4.ts	Method	TBLASTX:Soybean
Start	39109	End	41287
GI	none	Score	114
Exons	39109..39168, 39110..39193, 39242..39475, 39823..39948, 41204..41287		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523

Name	OJ990802_13.9920.C1.o2.tm	Method	TBLASTX:Maize
Start	46433	End	47207
GI	none	Score	88
Exons	46433..46561, 46438..46638, 46438..46554, 46457..46573, 46607..46807, 46608..46802, 46756..46809, 46899..47057, 46905..47036, 46906..47058, 46910..47161, 47088..47207, 47093..47203		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o14.tm	Method	TBLASTX:Maize
Start	48140	End	48288
GI	none	Score	194
Exons	48140..48277, 48141..48281, 48154..48288		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o5.tm	Method	TBLASTX:Maize
Start	50280	End	52498
GI	none	Score	127
Exons	50280..50534, 50281..50535, 50535..50555, 50553..50645, 50554..50646, 50753..50854, 50756..50797, 50782..50868, 50863..50898, 50871..50906, 52396..52476, 52397..52498		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o11.tm	Method	TBLASTX:Maize
Start	52499	End	54723
GI	none	Score	94
Exons	52499..52564, 52501..52563, 54538..54708, 54555..54716, 54556..54723		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o2.gp	Method	AAT/GAP
Start	58487	End	59571
GI	35968_1.R1084	Score	966
Exons	58487..58940, 59504..59571		
GI Descrip.	'4558659/gb|AAD22677.1|AC007063_3 1.0e-16 (AC007063) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o12.gs	Method	GENSCAN
Start	58837	End	62583
GI	none	Score	.83
Exons	58837..58974, 59504..59618, 60017..60198, 60300..60599, 60854..61354, 61451..61589, 61811..61929, 62467..62583		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523

Name	OJ990802_13.9920.C1.o3.tc	Method	TBLASTX:Cress
Start	59501	End	61018
GI	none	Score	116
Exons	59501..59599, 60228..60602, 60851..61003, 60851..61018, 60855..61007		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o13.tm	Method	TBLASTX:Maize
Start	60085	End	60443
GI	none	Score	93
Exons	60085..60180, 60087..60215, 60294..60443		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o3.gp	Method	AAT/GAP
Start	60107	End	60886
GI	2428025	Score	771
Exons	60107..60198, 60300..60599, 60854..60886		
GI Descrip.	4558659/gb|AAD22677.1|AC007063_3 1.0e-16 (AC007063) unknown protein [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o7.ts	Method	TBLASTX:Soybean
Start	60222	End	60971
GI	none	Score	37
Exons	60222..60602, 60346..60450, 60479..60625, 60541..60600, 60847..60966, 60851..60970, 60855..60971		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o9.np	Method	AAT/NAP
Start	60248	End	70445
GI	4558659	Score	2053
Exons	60248..60599, 60854..61354, 61451..61589, 61811..61929, 62704..62772, 63090..63174, 64814..64884, 65677..65873, 66115..66184, 66264..66389, 66761..66937, 67780..67830, 67976..68059, 68765..68821, 69416..69475, 70362..70445		
GI Descrip.	(AC007063) putative cap-binding protein [Arabidopsis thaliana]		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o1.tm	Method	TBLASTX:Maize
Start	60965	End	61500
GI	none	Score	107
Exons	60965..61063, 60966..61061, 60970..61065, 61041..61355, 61042..61347, 61066..61356, 61067..61357, 61067..61363, 61451..61498, 61453..61500		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-

Start	58837	End	70523
Name	OJ990802_13.9920.C1.o2.ts	Method	TBLASTX:Soybean
Start	61157	End	63182
GI	none	Score	53
Exons	61157..61228, 61158..61229, 61259..61363, 61265..61330, 61443..61589, 61451..61588, 61452..61607, 61810..61956, 61811..61930, 61813..61962, 62686..62775, 62687..62773, 63084..63182, 63085..63180		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o14.gs	Method	GENSCAN
Start	66120	End	70448
GI	none	Score	.75
Exons	66120..66230, 66264..66443, 66761..66937, 67780..67842, 67988..68059, 69416..69475, 70182..70274, 70362..70448		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9129	Strand	-
Start	58837	End	70523
Name	OJ990802_13.9920.C1.o4.gp	Method	AAT/GAP
Start	67744	End	70523
GI	63494_1.R1084	Score	691
Exons	67744..67844, 67989..68059, 68765..68821, 69416..69475, 70362..70523		
GI Descrip.	'4558659/gb|AAD22677.1|AC007063_3 3.0e-32 (AC007063) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9130	Strand	
Start	71528	End	83298
Name	OJ990802_13.9920.C1.o8.tm	Method	TBLASTX:Maize
Start	71528	End	83298
GI	none	Score	102
Exons	71528..71626, 71529..71636, 71640..71768, 71660..71734, 83056..83157, 83057..83164, 83168..83296, 83179..83298		

Seq. No.	4354	Seq. ID	OJ990802_13.9920.C1
Gene No.	9130	Strand	
Start	71528	End	83298
Name	OJ990802_13.9920.C1.o8.ts	Method	TBLASTX:Soybean
Start	71534	End	83275
GI	none	Score	189
Exons	71534..71626, 71541..71747, 71666..71734, 83045..83275, 83062..83274		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9131	Strand	+
Start	6714	End	7250
Name	OJ990802_13.9920.C2.o2.gs	Method	GENSCAN
Start	6714	End	7250
GI	none	Score	.86
Exons	6714..7250		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9132	Strand	-

Start	779	End	8632
Name	OJ990802_13.9920.C2.o1.gs	Method	GENSCAN
Start	779	End	5612
GI	none	Score	.48
Exons	779..1012, 2467..2533, 2624..2715, 2789..2913, 3475..3580, 3879..3963, 4468..4564, 4887..5002, 5470..5612		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9132	Strand	-
Start	779	End	8632
Name	OJ990802_13.9920.C2.o1.gp	Method	AAT/GAP
Start	1647	End	2105
GI	LIB3432-059-P1-K1-D8	Score	750
Exons	1647..2105		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9132	Strand	-
Start	779	End	8632
Name	OJ990802_13.9920.C2.o2.gp	Method	AAT/GAP
Start	2105	End	2201
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	2105..2201		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9132	Strand	-
Start	779	End	8632
Name	OJ990802_13.9920.C2.o1.np	Method	AAT/NAP
Start	2437	End	8632
GI	3738295	Score	916
Exons	2437..2533, 2624..2733, 3122..3268, 3465..3580, 3720..3782, 3879..3963, 4468..4564, 4887..5002, 5470..5553, 5766..5895, 6707..6776, 6873..7136, 8553..8632		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o1.tm	Method	TBLASTX:Maize
Start	2762	End	4993
GI	none	Score	98
Exons	2762..2893, 2789..2893, 2793..2894, 2794..2940, 2796..2942, 3450..3593, 3476..3625, 3477..3581, 3714..3782, 3718..3783, 3718..3783, 3875..3964, 3879..3965, 3879..3965, 3880..3966, 4468..4566, 4469..4564, 4470..4565, 4876..4992, 4879..4989, 4886..4993		

Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o2.ts	Method	TBLASTX:Soybean
Start	3474	End	3783
GI	none	Score	104

Exons	3474..3593, 3476..3604, 3477..3581, 3717..3782, 3718..3783		
Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o1.ts	Method	TBLASTX:Soybean
Start	5783	End	6996
GI	none	Score	69
Exons	5783..5896, 5797..5892, 5802..5897, 6705..6776, 6868..6996, 6870..6989		
Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o2.tm	Method	TBLASTX:Maize
Start	6705	End	6999
GI	none	Score	122
Exons	6705..6776, 6707..6769, 6864..6989, 6870..6992, 6871..6999		
Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o3.gs	Method	GENSCAN
Start	9635	End	11317
GI	none	Score	.75
Exons	9635..9734, 9936..10006, 10100..10219, 10716..10840, 11245..11317		
Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o2.np	Method	AAT/NAP
Start	9935	End	11399
GI	2342679	Score	341
Exons	9935..10006, 10100..10205, 10714..10801, 11245..11399		
GI Descrip.	(AC000106) Similar to Vicia sativa ENBP1 (gb|X95995). [Arabidopsis thaliana]		
Seq. No.	4355	Seq. ID	OJ990802_13.9920.C2
Gene No.	9133	Strand	-
Start	9635	End	11399
Name	OJ990802_13.9920.C2.o1.tw	Method	TBLASTX:Wheat
Start	9945	End	10803
GI	none	Score	80
Exons	9945..10004, 9945..10004, 9952..10008, 10098..10220, 10100..10231, 10100..10231, 10689..10802, 10716..10802, 10717..10803		
Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.np	Method	AAT/NAP
Start	1	End	3679
GI	2342679	Score	801
Exons	1..116, 570..935, 1310..1530, 1564..1871, 1956..2069, 2147..2207, 2264..2473, 2533..2642, 3556..3679		
GI Descrip.	(AC000106) Similar to Vicia sativa ENBP1 (gb|X95995).		

[Arabidopsis thaliana]

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.gs	Method	GENSCAN
Start	480	End	3834
GI	none	Score	.58
Exons	480..597, 606..935, 1310..2124, 2300..2432, 2609..2806, 3718..3834		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.ts	Method	TBLASTX:Soybean
Start	588	End	1528
GI	none	Score	83
Exons	588..806, 603..953, 604..843, 800..931, 1383..1526, 1385..1528		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o2.tm	Method	TBLASTX:Maize
Start	606	End	879
GI	none	Score	44
Exons	606..632, 606..632, 633..878, 634..846, 634..879		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.tc	Method	TBLASTX:Cress
Start	633	End	914
GI	none	Score	113
Exons	633..914, 634..843		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.tm	Method	TBLASTX:Maize
Start	1718	End	2356
GI	none	Score	139
Exons	1718..1840, 1725..2069, 1727..1966, 1732..2073, 1856..2083, 2149..2199, 2153..2209, 2155..2208, 2298..2345, 2299..2346, 2303..2356		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o1.gp	Method	AAT/GAP
Start	1809	End	2094
GI	1438559	Score	506
Exons	1809..2094		

Seq. No.	4356	Seq. ID	OJ990802_13.9920.C3
Gene No.	9134	Strand	-
Start	1	End	3834
Name	OJ990802_13.9920.C3.o2.ts	Method	TBLASTX:Soybean

Start	2276	End	3644
GI	none	Score	60
Exons	2276..2419, 2283..2435, 2284..2421, 2292..2435, 2532..2642, 2540..2641, 3532..3594, 3543..3605, 3624..3644		

Seq. No.	4357	Seq. ID	OJ990802_13.9920.C4
Gene No.	9135	Strand	+
Start	296	End	412
Name	OJ990802_13.9920.C4.o1.gs	Method	GENSCAN
Start	296	End	412
GI	none	Score	.41
Exons	296..412		

Seq. No.	4357	Seq. ID	OJ990802_13.9920.C4
Gene No.	9136	Strand	-
Start	1561	End	3551
Name	OJ990802_13.9920.C4.o1.np	Method	AAT/NAP
Start	1561	End	3551
GI	100592	Score	306
Exons	1561..1699, 3051..3551		
GI Descrip.	licheninase (EC 3.2.1.73) isoenzyme EIb precursor - barley gi|4688931|emb|CAB41402.1| (X56260) lichenase [Hordeum vulgare]		

Seq. No.	4357	Seq. ID	OJ990802_13.9920.C4
Gene No.	9137	Strand	-
Start	4114	End	4409
Name	OJ990802_13.9920.C4.o2.np	Method	AAT/NAP
Start	4114	End	4409
GI	5777617	Score	106
Exons	4114..4409		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4358	Seq. ID	OJ990402_09.9922.C5
Gene No.	9138	Strand	+
Start	1602	End	5049
Name	OJ990402_09.9922.C5.o1.gs	Method	GENSCAN
Start	1602	End	5049
GI	none	Score	.67
Exons	1602..1661, 4398..4583, 4588..4747, 4997..5049		

Seq. No.	4358	Seq. ID	OJ990402_09.9922.C5
Gene No.	9139	Strand	-
Start	5781	End	6872
Name	OJ990402_09.9922.C5.o2.gs	Method	GENSCAN
Start	5781	End	6872
GI	none	Score	.98
Exons	5781..6872		

Seq. No.	4359	Seq. ID	OJ990402_09.9922.C6
Gene No.	9140	Strand	-
Start	880	End	3409
Name	OJ990402_09.9922.C6.o1.gs	Method	GENSCAN
Start	880	End	3247
GI	none	Score	.67
Exons	880..992, 1440..1634, 1692..2140, 2198..2220, 2336..2437, 2685..2946, 3051..3247		

Seq. No.	4359	Seq. ID	OJ990402_09.9922.C6
Gene No.	9140	Strand	-
Start	880	End	3409
Name	OJ990402_09.9922.C6.o1.np	Method	AAT/NAP
Start	1684	End	3409
GI	5441880	Score	650
Exons	1684..2132, 2654..2946, 3051..3409		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4359	Seq. ID	OJ990402_09.9922.C6
Gene No.	9140	Strand	-
Start	880	End	3409
Name	OJ990402_09.9922.C6.o1.gp	Method	AAT/GAP
Start	2005	End	2436
GI	LIB3433-020-P1-K1-A6	Score	727
Exons	2005..2436		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	4360	Seq. ID	OJ990402_09.9922.C7
Gene No.	9141	Strand	-
Start	485	End	2292
Name	OJ990402_09.9922.C7.o1.np	Method	AAT/NAP
Start	485	End	2292
GI	5441880	Score	845
Exons	485..822, 931..1070, 1672..1998, 2257..2292		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4361	Seq. ID	OJ990402_09.9922.C8
Gene No.	9142	Strand	-
Start	1	End	1459
Name	OJ990402_09.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	1459
GI	5441880	Score	1231
Exons	1..93, 439..1459		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4361	Seq. ID	OJ990402_09.9922.C8
Gene No.	9142	Strand	-
Start	1	End	1459
Name	OJ990402_09.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	223	End	600
GI	none	Score	66
Exons	223..396, 234..374, 329..397, 421..597, 446..598, 451..600		

Seq. No.	4361	Seq. ID	OJ990402_09.9922.C8
Gene No.	9142	Strand	-
Start	1	End	1459
Name	OJ990402_09.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	298	End	892
GI	none	Score	223

Exons	298..369, 416..856, 427..858, 866..892		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9143	Strand	+
Start	4830	End	9658
Name	OJ990402_09.9922.C9.o1.np	Method	AAT/NAP
Start	4821	End	9658
GI	2586082	Score	2124
Exons	4821..5768, 6222..7835, 8290..8389, 9634..9658		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9143	Strand	+
Start	4830	End	9658
Name	OJ990402_09.9922.C9.o3.gs	Method	GENSCAN
Start	4830	End	5790
GI	none	Score	.52
Exons	4830..5075, 5143..5790		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9143	Strand	+
Start	4830	End	9658
Name	OJ990402_09.9922.C9.o4.gs	Method	GENSCAN
Start	6073	End	8833
GI	none	Score	.65
Exons	6073..6628, 6842..6910, 7577..7903, 8197..8247, 8757..8833		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9143	Strand	+
Start	4830	End	9658
Name	OJ990402_09.9922.C9.o3.np	Method	AAT/NAP
Start	8959	End	9658
GI	2191187	Score	277
Exons	8959..9266, 9354..9658		
GI Descrip.	(AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9144	Strand	-
Start	3337	End	4270
Name	OJ990402_09.9922.C9.o2.gs	Method	GENSCAN
Start	3337	End	4270
GI	none	Score	.62
Exons	3337..3918, 4085..4270		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	4916	End	5352
GI	none	Score	83
Exons	4916..4990, 4917..4997, 5070..5195, 5071..5205, 5188..5352		
Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o3.tw	Method	TBLASTX:Wheat

Start	5209	End	5454
GI	none	Score	181
Exons	5209..5454, 5244..5441		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o2.np	Method	AAT/NAP
Start	5393	End	9658
GI	5734621	Score	101
Exons	5393..5416, 7908..8108, 9628..9658		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	6229	End	6564
GI	none	Score	328
Exons	6229..6453, 6231..6542, 6232..6564, 6329..6547		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	6271	End	6564
GI	none	Score	222
Exons	6271..6564, 6271..6540, 6333..6560		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	7047	End	7512
GI	none	Score	289
Exons	7047..7445, 7164..7409, 7420..7512		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	7059	End	7433
GI	none	Score	237
Exons	7059..7433		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	7089	End	7448
GI	none	Score	235
Exons	7089..7448		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-

Start	5393	End	9658
Name	OJ990402_09.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	7164	End	7512
GI	none	Score	204
Exons	7164..7445, 7426..7512		

Seq. No.	4362	Seq. ID	OJ990402_09.9922.C9
Gene No.	9145	Strand	-
Start	5393	End	9658
Name	OJ990402_09.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	8916	End	9474
GI	none	Score	492
Exons	8916..9284, 8928..9278, 9323..9463, 9371..9472, 9372..9473, 9372..9473, 9373..9474		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	799
GI	5091610	Score	748
Exons	1..142, 240..799		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o2.np	Method	AAT/NAP
Start	1	End	2302
GI	2586082	Score	965
Exons	1..41, 1479..2302		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	3	End	329
GI	none	Score	243
Exons	3..188, 4..204, 285..329		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	527	End	787
GI	none	Score	61
Exons	527..574, 531..587, 593..634, 632..787, 633..785, 637..786		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	1617	End	2127
GI	5509260	Score	76
Exons	1617..1745, 1753..2127, 1755..1913, 1948..2106, 1956..2108, 2009..2116		

GI Descrip. -

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	1755	End	2016
GI	none	Score	298
Exons	1755..1997, 1756..2016, 1768..2010		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	1797	End	2181
GI	none	Score	326
Exons	1797..2159, 1798..2181		

Seq. No.	4363	Seq. ID	OJ990402_09.9922.C10
Gene No.	9146	Strand	+
Start	1	End	2302
Name	OJ990402_09.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	1797	End	2231
GI	none	Score	277
Exons	1797..1895, 1798..2142, 1950..2021, 2184..2231		

Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9147	Strand	+
Start	1	End	939
Name	OJ990402_09.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	939
GI	2586082	Score	1134
Exons	1..939		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9147	Strand	+
Start	1	End	939
Name	OJ990402_09.9922.C11.o1.gs	Method	GENSCAN
Start	186	End	833
GI	none	Score	.54
Exons	186..353, 372..833		

Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9148	Strand	-
Start	1487	End	1687
Name	OJ990402_09.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	90	End	527
GI	none	Score	439
Exons	90..527, 110..412, 489..527		

Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9148	Strand	-
Start	1487	End	1687
Name	OJ990402_09.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	222	End	433
GI	none	Score	290

Exons	222..431, 227..430, 278..433		
Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9148	Strand	-
Start	1487	End	1687
Name	OJ990402_09.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	291	End	829
GI	none	Score	502
Exons	291..824, 488..829		
Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9148	Strand	-
Start	1487	End	1687
Name	OJ990402_09.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	458	End	882
GI	none	Score	141
Exons	458..592, 459..587, 465..596, 593..826, 594..815, 826..882		
Seq. No.	4364	Seq. ID	OJ990402_09.9922.C11
Gene No.	9148	Strand	-
Start	1487	End	1687
Name	OJ990402_09.9922.C11.o2.gs	Method	GENSCAN
Start	1487	End	1687
GI	none	Score	.55
Exons	1487..1568, 1641..1687		
Seq. No.	4365	Seq. ID	OJ990402_09.9922.C12
Gene No.	9149	Strand	+
Start	1464	End	1856
Name	OJ990402_09.9922.C12.o1.gs	Method	GENSCAN
Start	1464	End	1856
GI	none	Score	.57
Exons	1464..1856		
Seq. No.	4366	Seq. ID	OJ990402_09.9922.C15
Gene No.	9150	Strand	+
Start	10	End	315
Name	OJ990402_09.9922.C15.o1.gs	Method	GENSCAN
Start	10	End	315
GI	none	Score	.6
Exons	10..315		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9151	Strand	+
Start	1	End	4385
Name	OJ990402_09.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	2074
GI	4680179	Score	3089
Exons	1..2074		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9151	Strand	+
Start	1	End	4385
Name	OJ990402_09.9922.C18.o2.np	Method	AAT/NAP
Start	1	End	4385
GI	6063554	Score	161

Exons	1..32, 2822..3021, 3106..3158, 4214..4385		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9151	Strand	+
Start	1	End	4385
Name	OJ990402_09.9922.C18.o1.gs	Method	GENSCAN
Start	26	End	2077
GI	none	Score	.99
Exons	26..2077		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9151	Strand	+
Start	1	End	4385
Name	OJ990402_09.9922.C18.o2.gs	Method	GENSCAN
Start	2576	End	3660
GI	none	Score	.74
Exons	2576..2702, 2728..3051, 3057..3281, 3563..3660		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	74	End	499
GI	none	Score	594
Exons	74..499, 76..492		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	80	End	328
GI	none	Score	200
Exons	80..328		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	146	End	499
GI	none	Score	460
Exons	146..499, 151..492		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	527	End	1066
GI	none	Score	634
Exons	527..1066, 709..1062		
Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o1.tc	Method	TBLASTX:Cress

Start	764	End	1090
GI	none	Score	90
Exons	764..946, 947..1090, 949..1089		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1114
GI	none	Score	301
Exons	854..1114, 865..1113		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	912	End	1204
GI	none	Score	89
Exons	912..1013, 912..1199, 913..1200, 914..1204		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	1073	End	1696
GI	none	Score	635
Exons	1073..1627, 1132..1578, 1628..1696, 1636..1695		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1252	End	1834
GI	none	Score	236
Exons	1252..1407, 1253..1414, 1411..1575, 1412..1627, 1625..1834, 1636..1833		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	1696	End	2029
GI	none	Score	312
Exons	1696..1977, 1697..2029		

Seq. No.	4367	Seq. ID	OJ990402_09.9922.C18
Gene No.	9152	Strand	+
Start	5557	End	5720
Name	OJ990402_09.9922.C18.o3.np	Method	AAT/NAP
Start	5557	End	5720
GI	4512231	Score	172
Exons	5557..5720		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857

Name	OJ990402_09.9922.C19.o1.np	Method	AAT/NAP
Start	4573	End	9857
GI	2642431	Score	1172
Exons	4573..6144, 9817..9857		
GI Descrip.	(AC002391) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o3.gs	Method	GENSCAN
Start	4573	End	9669
GI	none	Score	.42
Exons	4573..6179, 7208..7259, 7345..7459, 8040..8183, 9603..9669		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	4588	End	5232
GI	none	Score	123
Exons	4588..5232, 4715..5026		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	4588	End	5262
GI	none	Score	280
Exons	4588..4812, 4822..5262		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o2.tw	Method	TBLASTX:Wheat
Start	4996	End	5257
GI	none	Score	65
Exons	4996..5256, 5177..5257		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o3.tm	Method	TBLASTX:Maize
Start	5362	End	5802
GI	none	Score	72
Exons	5362..5688, 5381..5536, 5564..5689, 5710..5802		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	5401	End	5937
GI	none	Score	88
Exons	5401..5601, 5596..5688, 5692..5937, 5693..5791, 5849..5917		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-

Start	4573	End	9857
Name	OJ990402_09.9922.C19.o2.ts	Method	TBLASTX:Soybean
Start	5605	End	6102
GI	5509260	Score	47
Exons	5605..5691, 5698..6102, 5699..5779, 5849..5965		
GI Descrip.	-		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	5716	End	5976
GI	none	Score	108
Exons	5716..5976, 5725..5973		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o4.tm	Method	TBLASTX:Maize
Start	5803	End	6063
GI	none	Score	115
Exons	5803..6063, 5804..6055, 5854..6063		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	6866	End	7649
GI	none	Score	75
Exons	6866..6949, 6867..6938, 7015..7131, 7015..7134, 7038..7133, 7203..7265, 7207..7266, 7209..7271, 7344..7490, 7346..7456, 7348..7491, 7545..7649, 7556..7648		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o3.tw	Method	TBLASTX:Wheat
Start	8100	End	8526
GI	none	Score	147
Exons	8100..8318, 8326..8526		

Seq. No.	4368	Seq. ID	OJ990402_09.9922.C19
Gene No.	9153	Strand	-
Start	4573	End	9857
Name	OJ990402_09.9922.C19.o3.ts	Method	TBLASTX:Soybean
Start	9241	End	9417
GI	none	Score	118
Exons	9241..9417, 9266..9412		

Seq. No.	4369	Seq. ID	OJ990402_09.9922.C20
Gene No.	9154	Strand	+
Start	2143	End	3009
Name	OJ990402_09.9922.C20.o1.gs	Method	GENSCAN
Start	2143	End	3009
GI	none	Score	.73
Exons	2143..2259, 2532..2794, 2841..3009		

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	530	End	860
GI	none	Score	96
Exons	530..583, 532..636, 532..654, 648..806, 769..807, 807..860,	598..714, 641..805, 644..802, 808..840	

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.gs	Method	GENSCAN
Start	533	End	696
GI	none	Score	.71
Exons	533..696		

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	533	End	891
GI	none	Score	92
Exons	533..592, 534..620, 535..636, 642..806, 642..806, 769..807, 807..890, 808..891	540..593, 541..654, 641..805, 805..888, 806..889, 807..890,	

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.np	Method	AAT/NAP
Start	541	End	892
GI	6807962	Score	340
Exons	541..892		
GI Descrip.	(AL137410) hypothetical protein [Homo sapiens]		

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	541	End	812
GI	none	Score	74
Exons	541..654, 544..639, 641..667,	671..805, 672..812	

Seq. No.	4370	Seq. ID	OJ990402_09.9922.C21
Gene No.	9155	Strand	-
Start	533	End	892
Name	OJ990402_09.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	541	End	806
GI	none	Score	41
Exons	541..579, 541..579, 583..714, 675..806	642..692, 674..805, 674..805,	

Seq. No.	4371	Seq. ID	OJ990402_09.9922.C23
Gene No.	9156	Strand	-
Start	89	End	767
Name	OJ990402_09.9922.C23.o1.np	Method	AAT/NAP

Start	89	End	767
GI	5441880	Score	80
Exons	89..228, 712..767		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4371	Seq. ID	OJ990402_09.9922.C23
Gene No.	9156	Strand	-
Start	89	End	767
Name	OJ990402_09.9922.C23.o1.gs	Method	GENSCAN
Start	532	End	726
GI	none	Score	.62
Exons	532..726		

Seq. No.	4372	Seq. ID	OJ990402_09.9922.C24
Gene No.	9157	Strand	-
Start	2444	End	3919
Name	OJ990402_09.9922.C24.o1.gs	Method	GENSCAN
Start	2444	End	3919
GI	none	Score	.66
Exons	2444..2622, 2697..2825, 3847..3919		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9158	Strand	+
Start	1403	End	8383
Name	OJ990402_09.9922.C25.o1.gs	Method	GENSCAN
Start	1403	End	8383
GI	none	Score	.74
Exons	1403..1444, 3515..3719, 5110..5374, 5992..6307, 7031..7339, 7360..8383		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9159	Strand	+
Start	10462	End	14513
Name	OJ990402_09.9922.C25.o2.gs	Method	GENSCAN
Start	10462	End	14357
GI	none	Score	.82
Exons	10462..10596, 10888..10956, 11299..11375, 11858..11924, 12076..12196, 12283..12350, 12440..12502, 13081..13131, 13330..13449, 13750..13785, 14194..14357		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9159	Strand	+
Start	10462	End	14513
Name	OJ990402_09.9922.C25.o2.np	Method	AAT/NAP
Start	10492	End	14513
GI	2326372	Score	1442
Exons	10492..10596, 10778..10956, 11092..11175, 11299..11375, 11858..11924, 12139..12196, 12283..12350, 12440..12502, 12766..12819, 12919..13021, 13112..13221, 13330..13449, 13729..13785, 14194..14310, 14403..14513		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9160	Strand	-
Start	228	End	457

Name	OJ990402_09.9922.C25.o1.gp	Method	AAT/GAP
Start	228	End	457
GI	827_1.R1084	Score	295
Exons	228..457		
GI Descrip.	'3560531 0.0e+00 (AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]'		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9161	Strand	-
Start	826	End	2538
Name	OJ990402_09.9922.C25.o1.np	Method	AAT/NAP
Start	826	End	2538
GI	1723239	Score	47
Exons	826..897, 2516..2538		
GI Descrip.	HYPOTHETICAL 35.7 KD PROTEIN C26A3.11 IN CHROMOSOME I gi|1177358|emb|CAA93234.1| (Z69240) putative amidohydrolase [Schizosaccharomyces pombe]		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9161	Strand	-
Start	826	End	2538
Name	OJ990402_09.9922.C25.o2.gp	Method	AAT/GAP
Start	1554	End	1836
GI	426253	Score	440
Exons	1554..1836		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9162	Strand	
Start	5214	End	6514
Name	OJ990402_09.9922.C25.o2.tm	Method	TBLASTX:Maize
Start	5214	End	6514
GI	none	Score	123
Exons	5214..5372, 5217..5372, 5218..5385, 5231..5386, 6012..6269, 6012..6245, 6251..6322, 6252..6323, 6345..6377, 6360..6380, 6455..6514		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9163	Strand	
Start	10515	End	12338
Name	OJ990402_09.9922.C25.o1.tc	Method	TBLASTX:Cress
Start	10515	End	12338
GI	none	Score	119
Exons	10515..10595, 10516..10596, 10769..10873, 10771..10869, 10787..10873, 10878..10967, 10879..10968, 11089..11178, 11100..11183, 11298..11381, 11299..11391, 11849..11923, 11856..11927, 12135..12197, 12136..12195, 12275..12331, 12282..12338		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9163	Strand	
Start	10515	End	12338
Name	OJ990402_09.9922.C25.o2.ts	Method	TBLASTX:Soybean
Start	10515	End	11357
GI	none	Score	121
Exons	10515..10598, 10516..10599, 10769..10873, 10775..10864, 10777..10872, 10878..10967, 10879..10968, 11089..11178, 11299..11355, 11301..11357		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9163	Strand	
Start	10515	End	12338
Name	OJ990402_09.9922.C25.o3.tm	Method	TBLASTX:Maize
Start	10527	End	11139
GI	none	Score	112
Exons	10527..10598, 10528..10617, 10772..10873, 10775..10855, 10777..10872, 10878..10952, 10879..10965, 10879..10956, 11089..11139		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9164	Strand	
Start	12448	End	13474
Name	OJ990402_09.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	12448	End	13474
GI	none	Score	81
Exons	12448..12501, 12449..12502, 12449..12502, 12739..12822, 12763..12822, 12898..12960, 12918..12950, 12961..13026, 12963..13022, 12973..13026, 13101..13220, 13102..13221, 13111..13221, 13112..13225, 13311..13451, 13327..13452, 13327..13452, 13388..13474		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9164	Strand	
Start	12448	End	13474
Name	OJ990402_09.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	12918	End	13440
GI	none	Score	143
Exons	12918..13022, 12919..13026, 12922..13026, 13097..13219, 13101..13220, 13108..13221, 13114..13245, 13327..13440, 13327..13425, 13341..13427		

Seq. No.	4373	Seq. ID	OJ990402_09.9922.C25
Gene No.	9165	Strand	
Start	14239	End	14512
Name	OJ990402_09.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	14239	End	14512
GI	none	Score	125
Exons	14239..14322, 14239..14328, 14313..14360, 14464..14511, 14465..14512		

Seq. No.	4374	Seq. ID	OJ990402_09.9922.C26
Gene No.	9166	Strand	+
Start	1	End	881
Name	OJ990402_09.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	881
GI	2244971	Score	324
Exons	1..54, 316..442, 615..745, 820..881		
GI Descrip.	(Z97340) galactokinase like protein [Arabidopsis thaliana]		

Seq. No.	4374	Seq. ID	OJ990402_09.9922.C26
Gene No.	9166	Strand	+
Start	1	End	881
Name	OJ990402_09.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	306	End	843
GI	none	Score	108

Exons	306..386, 317..385, 319..387, 370..444, 389..451, 413..445, 614..751, 615..746, 617..766, 817..843, 819..842		
Seq. No.	4374	Seq. ID	OJ990402_09.9922.C26
Gene No.	9166	Strand	+
Start	1	End	881
Name	OJ990402_09.9922.C26.o1.gs	Method	GENSCAN
Start	615	End	870
GI	none	Score	.88
Exons	615..745, 820..870		
Seq. No.	4375	Seq. ID	OJ990402_09.9922.C27
Gene No.	9167	Strand	+
Start	134	End	1825
Name	OJ990402_09.9922.C27.o1.gs	Method	GENSCAN
Start	134	End	1825
GI	none	Score	.97
Exons	134..194, 620..777, 1743..1825		
Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o1.gs	Method	GENSCAN
Start	110	End	10161
GI	none	Score	.69
Exons	110..192, 1768..1865, 2245..2365, 2807..2989, 3352..3879, 4359..4521, 5231..5526, 5639..5826, 6984..7054, 7130..7473, 8251..8527, 8643..8774, 8871..8976, 9071..9136, 9295..9412, 9577..9684, 9765..9914, 9922..10161		
Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o1.gp	Method	AAT/GAP
Start	5422	End	7253
GI	none	Score	896
Exons	5422..5526, 5639..5826, 6984..7054, 7130..7253		
Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o2.tm	Method	TBLASTX:Maize
Start	5678	End	7347
GI	none	Score	98
Exons	5678..5773, 5678..5770, 5691..5780, 5768..5827, 5768..5827, 6981..7058, 6982..7059, 7128..7346, 7129..7347, 7129..7347		
Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o1.tc	Method	TBLASTX:Cress
Start	7128	End	7443
GI	none	Score	77
Exons	7128..7256, 7137..7442, 7141..7443		
Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+

Start	110	End	10318
Name	OJ990402_09.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	8340	End	10318
GI	none	Score	181
Exons	8340..8561, 8344..8568, 8344..8559, 8346..8561, 8626..8778, 8657..8773, 8867..8977, 8869..8973, 9074..9103, 9074..9103, 9105..9131, 9304..9414, 9305..9412, 9577..9684, 9577..9684, 9782..9913, 9785..9913, 9789..9914, 9793..9915, 9984..10175, 9999..10172, 10000..10176, 10001..10192, 10007..10192, 10262..10309, 10265..10318		

Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o1.ts	Method	TBLASTX:Soybean
Start	9577	End	10192
GI	none	Score	157
Exons	9577..9684, 9583..9684, 9771..9911, 9795..9884, 10000..10167, 10001..10192		

Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o2.gp	Method	AAT/GAP
Start	9768	End	10096
GI	2797256	Score	446
Exons	9768..9914, 10001..10096		

Seq. No.	4376	Seq. ID	OJ990402_09.9922.C28
Gene No.	9168	Strand	+
Start	110	End	10318
Name	OJ990402_09.9922.C28.o2.tc	Method	TBLASTX:Cress
Start	9797	End	10192
GI	none	Score	145
Exons	9797..9913, 9798..9914, 10001..10192, 10003..10131		

Seq. No.	4377	Seq. ID	OJ990402_09.9922.C29
Gene No.	9169	Strand	+
Start	1	End	404
Name	OJ990402_09.9922.C29.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	2797256	Score	175
Exons	1..153		

Seq. No.	4377	Seq. ID	OJ990402_09.9922.C29
Gene No.	9169	Strand	+
Start	1	End	404
Name	OJ990402_09.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	41	End	404
GI	none	Score	161
Exons	41..232, 56..229, 57..233, 58..249, 64..249, 319..393, 322..399, 324..404		

Seq. No.	4377	Seq. ID	OJ990402_09.9922.C29
Gene No.	9169	Strand	+
Start	1	End	404
Name	OJ990402_09.9922.C29.o1.ts	Method	TBLASTX:Soybean

Start	57	End	249
GI	none	Score	189
Exons	57..224, 58..249		

Seq. No.	4377	Seq. ID	OJ990402_09.9922.C29
Gene No.	9169	Strand	+
Start	1	End	404
Name	OJ990402_09.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	58	End	249
GI	none	Score	182
Exons	58..249, 60..188		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o1.np	Method	AAT/NAP
Start	1	End	861
GI	4680179	Score	983
Exons	1..861		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o1.ts	Method	TBLASTX:Soybean
Start	58	End	369
GI	none	Score	193
Exons	58..369		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o1.tw	Method	TBLASTX:Wheat
Start	58	End	406
GI	none	Score	68
Exons	58..405, 66..257, 67..402, 98..406		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o1.gs	Method	GENSCAN
Start	98	End	819
GI	none	Score	.64
Exons	98..819		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	104	End	396
GI	none	Score	158
Exons	104..346, 106..396		

Seq. No.	4378	Seq. ID	OJ990402_09.9922.C30
Gene No.	9170	Strand	-
Start	1	End	861
Name	OJ990402_09.9922.C30.o2.tw	Method	TBLASTX:Wheat

Start	538	End	861
GI	none	Score	219
Exons	538..861		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o1.np	Method	AAT/NAP
Start	1	End	2160
GI	4680179	Score	1293
Exons	1..552, 580..1564, 2099..2160		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o2.tw	Method	TBLASTX:Wheat
Start	142	End	495
GI	none	Score	253
Exons	142..495		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o3.tw	Method	TBLASTX:Wheat
Start	717	End	1429
GI	none	Score	49
Exons	717..761, 1231..1404, 1231..1428, 1232..1429		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o1.tw	Method	TBLASTX:Wheat
Start	829	End	1179
GI	none	Score	319
Exons	829..1179		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o1.tm	Method	TBLASTX:Maize
Start	874	End	1179
GI	none	Score	60
Exons	874..1179, 970..1179		

Seq. No.	4379	Seq. ID	OJ990402_09.9922.C31
Gene No.	9171	Strand	-
Start	1	End	2160
Name	OJ990402_09.9922.C31.o2.np	Method	AAT/NAP
Start	1848	End	2160
GI	4512231	Score	474
Exons	1848..2160		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4380	Seq. ID	OJ990402_09.9922.C32
Gene No.	9172	Strand	-
Start	58	End	292

Name	OJ990402_09.9922.C32.o1.gp	Method	AAT/GAP
Start	58	End	292
GI	uC-osflm202104d09b1	Score	392
Exons	58..292		
GI Descrip.	'4033735 7.0e-11 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]'		

Seq. No.	4380	Seq. ID	OJ990402_09.9922.C32
Gene No.	9172	Strand	-
Start	58	End	292
Name	OJ990402_09.9922.C32.o1.gs	Method	GENSCAN
Start	62	End	262
GI	none	Score	1
Exons	62..262		

Seq. No.	4380	Seq. ID	OJ990402_09.9922.C32
Gene No.	9172	Strand	-
Start	58	End	292
Name	OJ990402_09.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	71	End	277
GI	none	Score	180
Exons	71..274, 90..212, 236..277		

Seq. No.	4381	Seq. ID	OJ990402_09.9922.C33
Gene No.	9173	Strand	+
Start	46	End	743
Name	OJ990402_09.9922.C33.o1.gs	Method	GENSCAN
Start	46	End	743
GI	none	Score	.79
Exons	46..110, 357..743		

Seq. No.	4381	Seq. ID	OJ990402_09.9922.C33
Gene No.	9173	Strand	+
Start	46	End	743
Name	OJ990402_09.9922.C33.o1.gp	Method	AAT/GAP
Start	164	End	219
GI	LIB3431-030-P1-N1-G8	Score	85
Exons	164..219		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	4382	Seq. ID	OJ990402_09.9922.C34
Gene No.	9174	Strand	+
Start	131	End	277
Name	OJ990402_09.9922.C34.o1.gs	Method	GENSCAN
Start	131	End	277
GI	none	Score	.94
Exons	131..277		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.gp	Method	AAT/GAP
Start	1	End	70
GI	LIB3433-041-P1-K1-E1	Score	91
Exons	1..70		
GI Descrip.	'3387899 2.0e-48 (AF070540) putative nuclear protein [Homo		

sapiens]'

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	2961
GI	2791896	Score	3522
Exons	1..2554, 2582..2961		
GI Descrip.	(Y08997) 146kDa nuclear protein [Xenopus laevis]		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.tc	Method	TBLASTX:Cress
Start	3	End	295
GI	none	Score	153
Exons	3..209, 4..225, 5..295, 6..293		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.tm	Method	TBLASTX:Maize
Start	3	End	735
GI	none	Score	248
Exons	3..227, 4..228, 5..727, 6..725, 274..735, 607..735		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.ts	Method	TBLASTX:Soybean
Start	62	End	619
GI	none	Score	674
Exons	62..619, 63..617		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o1.gs	Method	GENSCAN
Start	124	End	2926
GI	none	Score	.78
Exons	124..2227, 2277..2319, 2370..2636, 2796..2926		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o2.ts	Method	TBLASTX:Soybean
Start	628	End	1127
GI	none	Score	159
Exons	628..813, 635..1117, 640..1029, 641..1120, 1011..1121, 1050..1127		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o3.tc	Method	TBLASTX:Cress
Start	665	End	841

GI	none	Score	133
Exons	665..838, 668..841		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o2.tm	Method	TBLASTX:Maize
Start	806	End	1495
GI	none	Score	805
Exons	806..1489, 806..1495, 1105..1488		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o2.tc	Method	TBLASTX:Cress
Start	1019	End	1245
GI	none	Score	238
Exons	1019..1243, 1050..1244, 1105..1245		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o4.ts	Method	TBLASTX:Soybean
Start	1157	End	1415
GI	none	Score	332
Exons	1157..1414, 1158..1415		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o5.ts	Method	TBLASTX:Soybean
Start	1517	End	1792
GI	none	Score	172
Exons	1517..1660, 1521..1646, 1604..1792, 1635..1790, 1651..1791, 1652..1792		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o3.ts	Method	TBLASTX:Soybean
Start	1862	End	2117
GI	none	Score	140
Exons	1862..2116, 1865..2071, 1884..2117		

Seq. No.	4383	Seq. ID	OJ990402_09.9922.C35
Gene No.	9175	Strand	-
Start	1	End	2961
Name	OJ990402_09.9922.C35.o6.ts	Method	TBLASTX:Soybean
Start	2128	End	2386
GI	none	Score	88
Exons	2128..2289, 2128..2277, 2162..2386, 2169..2372		

Seq. No.	4384	Seq. ID	OJ990402_09.9922.C36
Gene No.	9176	Strand	+
Start	985	End	1522
Name	OJ990402_09.9922.C36.o1.gs	Method	GENSCAN
Start	985	End	1522

GI	none	Score	.87
Exons	985..1095, 1343..1522		

Seq. No.	4384	Seq. ID	OJ990402_09.9922.C36
Gene No.	9177	Strand	+
Start	2262	End	4380
Name	OJ990402_09.9922.C36.o2.gs	Method	GENSCAN
Start	2262	End	4380
GI	none	Score	.54
Exons	2262..2497, 2520..2578, 2640..2826, 3507..3648, 3706..4380		

Seq. No.	4384	Seq. ID	OJ990402_09.9922.C36
Gene No.	9178	Strand	-
Start	5310	End	7354
Name	OJ990402_09.9922.C36.o1.np	Method	AAT/NAP
Start	5310	End	7354
GI	2326372	Score	92
Exons	5310..5405, 5532..5575, 7302..7354		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	4384	Seq. ID	OJ990402_09.9922.C36
Gene No.	9179	Strand	-
Start	8159	End	8584
Name	OJ990402_09.9922.C36.o3.gs	Method	GENSCAN
Start	8159	End	8584
GI	none	Score	.52
Exons	8159..8291, 8460..8584		

Seq. No.	4385	Seq. ID	OJ990402_09.9922.C39
Gene No.	9180	Strand	-
Start	1	End	176
Name	OJ990402_09.9922.C39.o1.np	Method	AAT/NAP
Start	1	End	176
GI	2586082	Score	105
Exons	1..176		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4386	Seq. ID	OJ990402_09.9922.C40
Gene No.	9181	Strand	+
Start	295	End	411
Name	OJ990402_09.9922.C40.o1.gs	Method	GENSCAN
Start	295	End	411
GI	none	Score	.6
Exons	295..411		

Seq. No.	4386	Seq. ID	OJ990402_09.9922.C40
Gene No.	9182	Strand	-
Start	2095	End	4595
Name	OJ990402_09.9922.C40.o1.gp	Method	AAT/GAP
Start	815	End	987
GI	LIB3433-026-P1-K1-C1	Score	242
Exons	815..987		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4386	Seq. ID	OJ990402_09.9922.C40
Gene No.	9182	Strand	-

Start	2095	End	4595
Name	OJ990402_09.9922.C40.o1.np	Method	AAT/NAP
Start	1371	End	4595
GI	6063554	Score	161
Exons	1371..1543, 2596..2658, 2757..2941, 4520..4595		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4386	Seq. ID	OJ990402_09.9922.C40
Gene No.	9182	Strand	-
Start	2095	End	4595
Name	OJ990402_09.9922.C40.o2.gs	Method	GENSCAN
Start	2095	End	3123
GI	none	Score	.65
Exons	2095..2192, 2556..2658, 2712..2915, 2953..3123		

Seq. No.	4387	Seq. ID	OJ990402_09.9922.C41
Gene No.	9183	Strand	+
Start	720	End	1520
Name	OJ990402_09.9922.C41.o1.gs	Method	GENSCAN
Start	720	End	1520
GI	none	Score	.96
Exons	720..1520		

Seq. No.	4387	Seq. ID	OJ990402_09.9922.C41
Gene No.	9183	Strand	+
Start	720	End	1520
Name	OJ990402_09.9922.C41.o1.np	Method	AAT/NAP
Start	720	End	1517
GI	4512231	Score	1345
Exons	720..1517		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4388	Seq. ID	OJ990402_09.9922.C42
Gene No.	9184	Strand	+
Start	275	End	372
Name	OJ990402_09.9922.C42.o1.gs	Method	GENSCAN
Start	275	End	372
GI	none	Score	.52
Exons	275..372		

Seq. No.	4389	Seq. ID	OJ990402_09.9922.C44
Gene No.	9185	Strand	+
Start	1	End	258
Name	OJ990402_09.9922.C44.o1.np	Method	AAT/NAP
Start	1	End	255
GI	4680179	Score	379
Exons	1..255		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4389	Seq. ID	OJ990402_09.9922.C44
Gene No.	9185	Strand	+
Start	1	End	258
Name	OJ990402_09.9922.C44.o1.gs	Method	GENSCAN
Start	98	End	258
GI	none	Score	.51

Exons	98..258		
Seq. No.	4390	Seq. ID	OJ990412_09.9923.C4
Gene No.	9186	Strand	-
Start	236	End	386
Name	OJ990412_09.9923.C4.o1.gs	Method	GENSCAN
Start	236	End	386
GI	none	Score	.63
Exons	236..386		
Seq. No.	4391	Seq. ID	OJ990412_09.9923.C5
Gene No.	9187	Strand	+
Start	1	End	259
Name	OJ990412_09.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	259
GI	135945	Score	407
Exons	1..259		
GI Descrip.	TRANSPOSON GAMMA-DELTA RESOLVASE (TRANSPOSON TN1000) gi|72975|pir||RPECTG resolvase - Escherichia coli transposon gamma-delta gi|1421516|pdb|1GDT|A Chain A, Crystal Structure Of A Site-Specific Recombinase, Gamma-Delta Resolvase Complexed With A 34 Bp Cleavage Site gi|1421517|pdb|1GDT|B Chain B, Crystal Structure Of A Site-Specific Recombinase, Gamma-Delta Resolvase		
Seq. No.	4391	Seq. ID	OJ990412_09.9923.C5
Gene No.	9187	Strand	+
Start	1	End	259
Name	OJ990412_09.9923.C5.o1.gs	Method	GENSCAN
Start	38	End	191
GI	none	Score	.98
Exons	38..191		
Seq. No.	4392	Seq. ID	OJ990412_09.9923.C6
Gene No.	9188	Strand	-
Start	27	End	473
Name	OJ990412_09.9923.C6.o1.gs	Method	GENSCAN
Start	27	End	433
GI	none	Score	.82
Exons	27..433		
Seq. No.	4392	Seq. ID	OJ990412_09.9923.C6
Gene No.	9188	Strand	-
Start	27	End	473
Name	OJ990412_09.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	144	End	405
GI	none	Score	263
Exons	144..341, 147..404, 152..403, 307..405		
Seq. No.	4392	Seq. ID	OJ990412_09.9923.C6
Gene No.	9188	Strand	-
Start	27	End	473
Name	OJ990412_09.9923.C6.o1.ts	Method	TBLASTX:Soybean
Start	144	End	436
GI	none	Score	210
Exons	144..434, 144..434, 155..436		

Seq. No.	4392	Seq. ID	OJ990412_09.9923.C6
Gene No.	9188	Strand	-
Start	27	End	473
Name	OJ990412_09.9923.C6.o1.np	Method	AAT/NAP
Start	155	End	473
GI	4503169	Score	164
Exons	155..473		
GI Descrip.	cut (Drosophila)-like 1 (CCAAT displacement protein) gi|457517 (L12579) alternatively spliced [Homo sapiens]		

Seq. No.	4392	Seq. ID	OJ990412_09.9923.C6
Gene No.	9188	Strand	-
Start	27	End	473
Name	OJ990412_09.9923.C6.o1.tc	Method	TBLASTX:Cress
Start	168	End	435
GI	none	Score	116
Exons	168..434, 171..431, 307..435		

Seq. No.	4393	Seq. ID	OJ990412_09.9923.C7
Gene No.	9189	Strand	+
Start	775	End	1174
Name	OJ990412_09.9923.C7.o1.np	Method	AAT/NAP
Start	775	End	1174
GI	6523547	Score	48
Exons	775..1174		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	4393	Seq. ID	OJ990412_09.9923.C7
Gene No.	9190	Strand	-
Start	105	End	1102
Name	OJ990412_09.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	29	End	452
GI	none	Score	366
Exons	29..403, 30..404, 30..452, 208..405		

Seq. No.	4393	Seq. ID	OJ990412_09.9923.C7
Gene No.	9190	Strand	-
Start	105	End	1102
Name	OJ990412_09.9923.C7.o1.gs	Method	GENSCAN
Start	105	End	1102
GI	none	Score	.59
Exons	105..328, 743..871, 988..1102		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9191	Strand	+
Start	251	End	304
Name	OJ990412_09.9923.C8.o1.gs	Method	GENSCAN
Start	251	End	304
GI	none	Score	.91
Exons	251..304		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9192	Strand	+
Start	1045	End	2963
Name	OJ990412_09.9923.C8.o1.np	Method	AAT/NAP
Start	1045	End	2963

GI	5305929	Score	190
Exons	1045..1286, 2907..2963		
GI Descrip.	(AF153442) photosystem II chlorophyll a-apoprotein [Pisum sativum]		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9193	Strand	-
Start	1457	End	1983
Name	OJ990412_09.9923.C8.o2.gs	Method	GENSCAN
Start	1457	End	1983
GI	none	Score	.61
Exons	1457..1590, 1774..1983		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	1039	End	1232
GI	none	Score	60
Exons	1039..1086, 1046..1090, 1064..1186, 1065..1196, 1129..1197, 1174..1227, 1182..1232, 1182..1229		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	1046	End	1230
GI	none	Score	49
Exons	1046..1087, 1063..1221, 1064..1228, 1065..1229, 1129..1230		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o2.tc	Method	TBLASTX:Cress
Start	1063	End	1230
GI	none	Score	194
Exons	1063..1197, 1064..1186, 1070..1198, 1126..1197, 1182..1229, 1183..1230		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o2.gp	Method	AAT/GAP
Start	2850	End	3245
GI	12998_3.R1084	Score	755
Exons	2850..3245		
GI Descrip.	'3367534 2.0e-13 (AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb_U24105 from Homo sapiens. [Arabidopsis thaliana]'		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	3013	End	3348
GI	none	Score	46
Exons	3013..3093, 3024..3056, 3095..3298, 3105..3317, 3106..3348,		

3106..3321, 3111..3347

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	3109	End	3318
GI	none	Score	130
Exons	3109..3318, 3134..3298		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	3115	End	3318
GI	none	Score	194
Exons	3115..3318, 3131..3298, 3150..3317		

Seq. No.	4394	Seq. ID	OJ990412_09.9923.C8
Gene No.	9194	Strand	-
Start	2850	End	3354
Name	OJ990412_09.9923.C8.o2.np	Method	AAT/NAP
Start	3118	End	3354
GI	3367534	Score	315
Exons	3118..3354		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.gp	Method	AAT/GAP
Start	1	End	462
GI	12998_1.R1084	Score	908
Exons	1..462		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	787
GI	3367534	Score	1144
Exons	1..787		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	377
GI	none	Score	369
Exons	1..372, 3..377, 6..377		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	524
GI	none	Score	432
Exons	3..287, 4..291, 288..524, 289..519, 320..520		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.tc	Method	TBLASTX:Cress
Start	63	End	422
GI	none	Score	325
Exons	63..422, 79..420		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o1.gs	Method	GENSCAN
Start	66	End	713
GI	none	Score	.86
Exons	66..713		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o2.ts	Method	TBLASTX:Soybean
Start	432	End	778
GI	none	Score	318
Exons	432..776, 457..777, 683..778, 683..778		

Seq. No.	4395	Seq. ID	OJ990412_09.9923.C9
Gene No.	9195	Strand	-
Start	1	End	787
Name	OJ990412_09.9923.C9.o2.tc	Method	TBLASTX:Cress
Start	472	End	786
GI	none	Score	335
Exons	472..786, 477..785		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9196	Strand	+
Start	612	End	2065
Name	OJ990412_09.9923.C10.o1.gs	Method	GENSCAN
Start	612	End	2065
GI	none	Score	.49
Exons	612..788, 880..1041, 1548..1578, 1896..2065		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9197	Strand	+
Start	2551	End	4083
Name	OJ990412_09.9923.C10.o2.gs	Method	GENSCAN
Start	2551	End	4083
GI	none	Score	.5
Exons	2551..2780, 2910..3082, 3418..3499, 3987..4083		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10

Gene No.	9198	Strand	+
Start	4520	End	7001
Name	OJ990412_09.9923.C10.o3.gs	Method	GENSCAN
Start	4520	End	7001
GI	none	Score	.91
Exons	4520..4577, 4680..4950, 5067..5281, 5368..5724, 5777..5934, 5946..6093, 6179..6333, 6420..7001		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9198	Strand	+
Start	4520	End	7001
Name	OJ990412_09.9923.C10.o1.np	Method	AAT/NAP
Start	4609	End	6998
GI	6911549	Score	2288
Exons	4609..4950, 5067..5281, 5368..6093, 6179..6333, 6420..6998		
GI Descrip.	(AJ249329) heat shock protein 70 [Cucumis sativus]		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9199	Strand	+
Start	8606	End	9050
Name	OJ990412_09.9923.C10.o1.gp	Method	AAT/GAP
Start	8606	End	9050
GI	4196_1.R1084	Score	788
Exons	8606..9050		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	4667	End	6947
GI	none	Score	206
Exons	4667..4843, 4705..4839, 4847..4951, 4852..4944, 5050..5268, 5067..5267, 5367..5492, 5372..5530, 5495..5686, 5496..5717, 5723..5869, 5743..5877, 5869..5973, 5880..5975, 5973..6092, 6177..6290, 6178..6336, 6416..6631, 6417..6650, 6609..6722, 6768..6878, 6882..6947		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	4705	End	6947
GI	none	Score	350
Exons	4705..4947, 4730..4951, 5050..5280, 5067..5279, 5343..5426, 5367..5492, 5372..5530, 5495..5686, 5496..5717, 5723..5869, 5743..5877, 5821..5883, 5869..6021, 5880..6020, 5958..6038, 5973..6092, 6142..6333, 6177..6335, 6178..6336, 6416..6631, 6417..6650, 6768..6890, 6861..6947		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	4706	End	6947
GI	none	Score	361

Exons	4706..4951, 4729..4944, 4841..4948, 5050..5280, 5067..5279, 5366..5530, 5367..5492, 5495..5686, 5496..5717, 5723..5869, 5737..5877, 5868..6020, 5869..6021, 5973..6092, 6142..6333, 6178..6336, 6417..6650, 6419..6631, 6606..6680, 6714..6740, 6768..6890, 6861..6947		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o1.tw	Method	TBLASTX:Wheat
Start	4721	End	6848
GI	none	Score	305
Exons	4721..4951, 4729..4950, 5050..5121, 5148..5279, 5164..5280, 5206..5283, 5367..5489, 5370..5417, 5372..5536, 5507..5692, 5508..5717, 5726..5869, 5761..5877, 5821..5871, 5880..5963, 5881..5973, 5973..6092, 6145..6348, 6178..6336, 6417..6650, 6419..6628, 6714..6848		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o5.gs	Method	GENSCAN
Start	8767	End	9996
GI	none	Score	.47
Exons	8767..8852, 8888..9026, 9970..9996		

Seq. No.	4396	Seq. ID	OJ990412_09.9923.C10
Gene No.	9200	Strand	-
Start	8767	End	9996
Name	OJ990412_09.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	8834	End	9036
GI	none	Score	142
Exons	8834..8908, 8850..8942, 8851..8943, 8907..9029, 8911..9036, 8947..9030		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9201	Strand	+
Start	87	End	204
Name	OJ990412_09.9923.C11.o1.gs	Method	GENSCAN
Start	87	End	204
GI	none	Score	.77
Exons	87..204		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o2.gs	Method	GENSCAN
Start	815	End	3956
GI	none	Score	.92
Exons	815..1025, 1036..1174, 1192..1325, 2478..2580, 2702..2847, 3196..3368, 3834..3956		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o2.gp	Method	AAT/GAP
Start	2235	End	2812

GI	45157_1.R1084	Score	834
Exons	2235..2580, 2702..2812		
GI Descrip.	'3080436/emb|CAA18753.1| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	2472	End	2841
GI	none	Score	82
Exons	2472..2576, 2472..2567, 2474..2581, 2507..2581, 2703..2840, 2704..2841		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	2473	End	3962
GI	none	Score	153
Exons	2473..2580, 2474..2581, 2475..2582, 2703..2870, 2703..2846, 3195..3230, 3267..3371, 3268..3369, 3823..3906, 3823..3885, 3828..3962, 3921..3959		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o1.np	Method	AAT/NAP
Start	2477	End	3963
GI	3080436	Score	470
Exons	2477..2580, 2702..2847, 3241..3368, 3834..3963		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	4397	Seq. ID	OJ990412_09.9923.C11
Gene No.	9202	Strand	-
Start	815	End	3963
Name	OJ990412_09.9923.C11.o3.gp	Method	AAT/GAP
Start	3265	End	3963
GI	uC-osflcyp142h03b1	Score	421
Exons	3265..3368, 3834..3963		
GI Descrip.	'3080436/emb|CAA18753.1| 2.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	4398	Seq. ID	OJ990412_09.9923.C12
Gene No.	9203	Strand	-
Start	4304	End	4378
Name	OJ990412_09.9923.C12.o1.gp	Method	AAT/GAP
Start	4304	End	4378
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	4304..4378		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4398	Seq. ID	OJ990412_09.9923.C12
Gene No.	9204	Strand	-
Start	5140	End	5356

Name	OJ990412_09.9923.C12.o2.gs	Method	GENSCAN
Start	5140	End	5356
GI	none	Score	.57
Exons	5140..5356		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9205	Strand	+
Start	280	End	5677
Name	OJ990412_09.9923.C13.o1.gs	Method	GENSCAN
Start	280	End	5248
GI	none	Score	.55
Exons	280..388, 1092..1204, 1502..1604, 1868..1954, 2137..2313, 2695..2805, 3248..3594, 3688..3766, 4129..4251, 4963..5079, 5192..5248		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9205	Strand	+
Start	280	End	5677
Name	OJ990412_09.9923.C13.o1.gp	Method	AAT/GAP
Start	1740	End	5677
GI	617_1.R1084	Score	2778
Exons	1740..1954, 3139..3594, 3688..3766, 4129..4251, 4963..5079, 5192..5677		
GI Descrip.	'543711/sp|Q06967|1433_ORYSA 1.0e-143 14-3-3-LIKE PROTEIN S94 >gi_419796_pir__S30927 14-3-3 protein homolog - rice >gi_303859_dbj_BAA03711_ (D16140) brain specific protein [Oryza sativa]'		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9205	Strand	+
Start	280	End	5677
Name	OJ990412_09.9923.C13.o1.np	Method	AAT/NAP
Start	3188	End	5245
GI	543711	Score	1177
Exons	3188..3594, 3688..3766, 4129..4251, 4963..5079, 5192..5245		
GI Descrip.	14-3-3-LIKE PROTEIN S94 gi|419796|pir||S30927 14-3-3 protein homolog - rice gi|303859|dbj|BAA03711| (D16140) brain specific protein [Oryza sativa]		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9206	Strand	+
Start	6310	End	16435
Name	OJ990412_09.9923.C13.o2.gs	Method	GENSCAN
Start	6310	End	16435
GI	none	Score	.77
Exons	6310..6426, 8055..8143, 8673..9061, 9717..10006, 10593..10742, 11457..11545, 11662..11771, 11876..11970, 12441..12493, 12705..12870, 13240..13332, 13635..13763, 13880..13999, 14193..14273, 14825..14932, 15225..15368, 15450..15548, 16160..16435		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9206	Strand	+
Start	6310	End	16435
Name	OJ990412_09.9923.C13.o2.np	Method	AAT/NAP
Start	9022	End	15298
GI	4503169	Score	342

Exons	9022..9061, 9717..9997, 10575..10742, 11457..11545, 11662..11771, 11876..12051, 12710..12870, 13240..13332, 13650..13763, 13880..13990, 14716..14932, 15225..15298		
GI Descrip.	cut (Drosophila)-like 1 (CCAAT displacement protein) gi|457517 (L12579) alternatively spliced [Homo sapiens]		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	3170	End	3598
GI	none	Score	666
Exons	3170..3598, 3171..3593, 3172..3597		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	3197	End	5233
GI	none	Score	583
Exons	3197..3598, 3206..3367, 3213..3500, 3452..3598, 3505..3600, 3682..3786, 3683..3766, 4125..4250, 4156..4251, 4960..5064, 4963..5073, 5019..5087, 5186..5233, 5192..5227		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	3200	End	5073
GI	none	Score	584
Exons	3200..3598, 3206..3370, 3211..3441, 3213..3599, 3449..3604, 3453..3599, 3683..3766, 3685..3783, 3687..3767, 4125..4250, 4126..4251, 4156..4251, 4952..5065, 4963..5073, 5019..5072		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	3203	End	5252
GI	none	Score	584
Exons	3203..3598, 3206..3370, 3216..3413, 3438..3596, 3449..3598, 3508..3600, 3682..3786, 3683..3766, 3687..3770, 4125..4250, 4126..4254, 4156..4251, 4960..5073, 4963..5073, 5019..5087, 5190..5252, 5192..5239		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	4212	End	5242
GI	none	Score	66
Exons	4212..4250, 4213..4251, 4960..5064, 4963..5073, 4988..5074, 5019..5087, 5192..5242		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020

Name	OJ990412_09.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	9714	End	10673
GI	none	Score	437
Exons	9714..9995, 9716..10006, 9716..10006, 10578..10673, 10587..10667		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o2.tc	Method	TBLASTX:Cress
Start	9715	End	9982
GI	none	Score	395
Exons	9715..9843, 9716..9982, 9719..9979		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	9745	End	10743
GI	none	Score	416
Exons	9745..9843, 9746..10003, 9747..9998, 9809..10006, 9898..10008, 10578..10703, 10593..10742, 10595..10738, 10597..10743		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	12441	End	13909
GI	none	Score	67
Exons	12441..12491, 12703..12870, 12705..12872, 12738..12866, 13237..13347, 13239..13334, 13240..13350, 13632..13766, 13632..13766, 13633..13767, 13874..13909, 13875..13907		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o3.tc	Method	TBLASTX:Cress
Start	12730	End	13775
GI	none	Score	149
Exons	12730..12885, 12738..12881, 13231..13332, 13240..13350, 13632..13766, 13632..13775		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	13680	End	16252
GI	none	Score	128
Exons	13680..13766, 13680..13775, 14199..14273, 14822..14932, 14827..14895, 15225..15368, 15264..15350, 15278..15367, 15447..15473, 15449..15487, 15468..15551, 15474..15548, 15476..15553, 15494..15550, 15582..15713, 15618..15713, 15628..15735, 15629..15769, 16155..16250, 16157..16252		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o2.tm	Method	TBLASTX:Maize

Start	13924	End	16487
GI	none	Score	104
Exons	13924..14004, 14170..14265, 14184..14273, 14185..14274, 14192..14275, 14811..14939, 14822..14932, 14824..14934, 15223..15363, 15225..15368, 15249..15368, 15447..15548, 15448..15549, 15449..15550, 15491..15550, 15618..15713, 15628..15708, 16155..16250, 16157..16252, 16157..16252, 16320..16391, 16324..16392, 16327..16392, 16434..16487		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o4.tc	Method	TBLASTX:Cress
Start	15225	End	15375
GI	none	Score	198
Exons	15225..15374, 15267..15368, 15268..15375, 15278..15370		

Seq. No.	4399	Seq. ID	OJ990412_09.9923.C13
Gene No.	9207	Strand	-
Start	16797	End	17020
Name	OJ990412_09.9923.C13.o3.gs	Method	GENSCAN
Start	16797	End	17020
GI	none	Score	.74
Exons	16797..17020		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9208	Strand	+
Start	1	End	1349
Name	OJ990412_09.9923.C15.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	none	Score	310
Exons	1..165		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9208	Strand	+
Start	1	End	1349
Name	OJ990412_09.9923.C15.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	6553941	Score	199
Exons	1..302, 966..1244		
GI Descrip.	(AC011915) putative B-box zinc finger protein [Arabidopsis thaliana]		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9208	Strand	+
Start	1	End	1349
Name	OJ990412_09.9923.C15.o1.gs	Method	GENSCAN
Start	25	End	1349
GI	none	Score	.83
Exons	25..336, 1041..1349		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9209	Strand	-
Start	1527	End	1952
Name	OJ990412_09.9923.C15.o2.gp	Method	AAT/GAP
Start	1527	End	1952
GI	none	Score	778

Exons	1527..1952		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o5.ts	Method	TBLASTX:Soybean
Start	217	End	1220
GI	none	Score	77
Exons	217..309, 1094..1210, 1095..1220		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o5.tc	Method	TBLASTX:Cress
Start	1094	End	1223
GI	none	Score	207
Exons	1094..1213, 1095..1220, 1140..1223		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o2.gs	Method	GENSCAN
Start	2340	End	15316
GI	none	Score	.83
Exons	2340..2406, 2822..2893, 3007..3222, 3306..3467, 3545..3753, 4441..4581, 4827..5022, 5158..5295, 5547..5635, 6253..6330, 6478..6744, 7641..7811, 7906..8016, 8411..8488, 8991..9168, 9541..9755, 10015..10211, 10670..10925, 12102..12215, 12889..13106, 13689..13857, 14214..14520, 14651..14778, 14854..15012, 15146..15316		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o3.gp	Method	AAT/GAP
Start	2766	End	4530
GI	24390_1.R1084	Score	1694
Exons	2766..3222, 3306..3467, 3545..3753, 4441..4530		
GI Descrip.	'3452263 3.0e-77 (AF035936) phosphatidylinositol 4-kinase; PI4K [Arabidopsis thaliana]'		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	2901	End	3416
GI	none	Score	70
Exons	2901..2954, 2901..2951, 2940..3005, 2941..3006, 3006..3224, 3007..3228, 3008..3226, 3305..3415, 3305..3415, 3306..3416		
Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o2.np	Method	AAT/NAP
Start	2967	End	15358
GI	5430764	Score	5007
Exons	2967..3222, 3306..3467, 3545..3753, 4441..4581, 4827..5022,		

5158..5376, 6253..6330, 6478..6744, 7641..7794, 7880..8016, 8988..9168, 9541..9755, 10015..10374, 10449..10925, 11790..12215, 12889..13106, 13689..13857, 14214..14520, 14651..14778, 14854..15012, 15146..15358

GI Descrip. (AC007504) Putative Phosphatidylinositol 4-kinase PI4K [Arabidopsis thaliana]

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	2970	End	3580
GI	none	Score	274
Exons	2970..3221, 2971..3228, 3306..3479, 3308..3463, 3545..3580, 3547..3579		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	3175	End	4534
GI	none	Score	90
Exons	3175..3228, 3177..3224, 3178..3225, 3179..3238, 3179..3235, 3305..3469, 3306..3479, 3308..3481, 3533..3772, 3547..3810, 4438..4524, 4439..4525, 4439..4534, 4441..4527		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	3629	End	6288
GI	none	Score	193
Exons	3629..3769, 3631..3759, 4438..4584, 4439..4582, 4824..5024, 4825..5025, 4825..5025, 5136..5333, 5143..5328, 5157..5342, 5159..5362, 6241..6288		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o2.tc	Method	TBLASTX:Cress
Start	4474	End	5025
GI	none	Score	116
Exons	4474..4584, 4475..4582, 4477..4584, 4824..5021, 4825..5025		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o4.ts	Method	TBLASTX:Soybean
Start	4918	End	5324
GI	none	Score	96
Exons	4918..5028, 4920..5024, 4928..5038, 4929..5036, 5143..5322, 5157..5324		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o4.tc	Method	TBLASTX:Cress

Start	5191	End	6640
GI	none	Score	89
Exons	5191..5325, 5193..5324, 6253..6324, 6253..6330, 6254..6328, 6481..6627, 6481..6630, 6482..6640		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o3.ts	Method	TBLASTX:Soybean
Start	6265	End	6672
GI	none	Score	73
Exons	6265..6330, 6271..6330, 6487..6657, 6487..6672, 6497..6670		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o4.gp	Method	AAT/GAP
Start	7743	End	9712
GI	uC-osf1M202068h05b1	Score	990
Exons	7743..7794, 7880..8016, 8991..9168, 9541..9712		
GI Descrip.	'3452263 3.0e-50 (AF035936) phosphatidylinositol 4-kinase; PI4K [Arabidopsis thaliana]'		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o6.ts	Method	TBLASTX:Soybean
Start	7891	End	9668
GI	none	Score	110
Exons	7891..8013, 7892..8014, 9057..9173, 9058..9171, 9540..9668, 9544..9666		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o1.tc	Method	TBLASTX:Cress
Start	10102	End	10592
GI	none	Score	223
Exons	10102..10368, 10103..10369, 10112..10375, 10449..10514, 10459..10497, 10518..10592, 10519..10587		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	10153	End	10484
GI	none	Score	161
Exons	10153..10371, 10154..10372, 10449..10484		

Seq. No.	4400	Seq. ID	OJ990412_09.9923.C15
Gene No.	9210	Strand	-
Start	2340	End	15358
Name	OJ990412_09.9923.C15.o3.tc	Method	TBLASTX:Cress
Start	12934	End	14340
GI	none	Score	161
Exons	12934..13110, 12935..13111, 13627..13857, 13688..13774, 13774..13857, 14211..14339, 14212..14340		

Seq. No.	4401	Seq. ID	OJ990412_09.9923.C16
Gene No.	9211	Strand	-
Start	1	End	1654
Name	OJ990412_09.9923.C16.o1.np	Method	AAT/NAP
Start	1	End	1407
GI	5430764	Score	442
Exons	1..30, 452..596, 704..1047, 1201..1407		
GI Descrip.	(AC007504) Putative Phosphatidylinositol 4-kinase PI4K [Arabidopsis thaliana]		

Seq. No.	4401	Seq. ID	OJ990412_09.9923.C16
Gene No.	9211	Strand	-
Start	1	End	1654
Name	OJ990412_09.9923.C16.o1.gs	Method	GENSCAN
Start	452	End	1654
GI	none	Score	.64
Exons	452..570, 798..972, 1201..1654		

Seq. No.	4402	Seq. ID	OJ990412_09.9923.C17
Gene No.	9212	Strand	-
Start	1	End	1605
Name	OJ990412_09.9923.C17.o2.np	Method	AAT/NAP
Start	1	End	1605
GI	5688943	Score	78
Exons	1..63, 942..1037, 1502..1605		
GI Descrip.	(AB017426) ribosomal protein L5 [Oryza sativa]		

Seq. No.	4402	Seq. ID	OJ990412_09.9923.C17
Gene No.	9212	Strand	-
Start	1	End	1605
Name	OJ990412_09.9923.C17.o1.gs	Method	GENSCAN
Start	361	End	1384
GI	none	Score	.67
Exons	361..456, 600..661, 1229..1384		

Seq. No.	4402	Seq. ID	OJ990412_09.9923.C17
Gene No.	9212	Strand	-
Start	1	End	1605
Name	OJ990412_09.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	678	End	856
GI	none	Score	173
Exons	678..791, 682..807, 691..792, 793..840, 794..856, 796..855		

Seq. No.	4402	Seq. ID	OJ990412_09.9923.C17
Gene No.	9212	Strand	-
Start	1	End	1605
Name	OJ990412_09.9923.C17.o1.np	Method	AAT/NAP
Start	838	End	949
GI	5852179	Score	100
Exons	838..949		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9213	Strand	+
Start	379	End	856
Name	OJ990412_09.9923.C18.o1.gp	Method	AAT/GAP

Start	379	End	856
GI	none	Score	939
Exons	379..856		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9214	Strand	-
Start	935	End	6600
Name	OJ990412_09.9923.C18.o2.gp	Method	AAT/GAP
Start	901	End	2733
GI	uC-osrocyp036f11b1	Score	920
Exons	901..1074, 1199..1277, 1355..1470, 1895..1961, 2668..2733		
GI Descrip.	'1711543/sp|P50526|SSP1_SCHPO 2.0e-22 SERINE/THREONINE-PROTEIN KINASE SSP1 >gi_2130468_pir__S58666 protein kinase ssp1 - fission yeast (Schizosaccharomyces pombe) >gi_1041185_dbj_BAA08301_ (D45882) protein kinase [Schizosaccharomyces pombe] >gi_4584701_emb_CAB40783.1_ (AL049609) serine/threonine-protein kinase ssp1 [Schizosaccharomyces pombe]'		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9214	Strand	-
Start	935	End	6600
Name	OJ990412_09.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	923	End	2760
GI	none	Score	179
Exons	923..1075, 930..1085, 930..1076, 1196..1279, 1200..1289, 1200..1277, 1331..1471, 1341..1472, 1356..1472, 1357..1473, 1865..1963, 1888..1962, 1890..1970, 1893..1967, 1894..1971, 2666..2758, 2668..2760, 2668..2760		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9214	Strand	-
Start	935	End	6600
Name	OJ990412_09.9923.C18.o1.gs	Method	GENSCAN
Start	935	End	5884
GI	none	Score	.88
Exons	935..1074, 1199..1277, 1355..1470, 1895..1961, 2668..2763, 4036..4145, 4290..4377, 5416..5490, 5708..5752, 5828..5884		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9214	Strand	-
Start	935	End	6600
Name	OJ990412_09.9923.C18.o1.np	Method	AAT/NAP
Start	944	End	6600
GI	6911862	Score	733
Exons	944..1074, 1199..1277, 1355..1464, 1889..1961, 2677..2763, 4036..4145, 4290..4377, 5416..5490, 5708..5752, 5828..5902, 6580..6600		
GI Descrip.	(AL138649) serine/threonine-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	4403	Seq. ID	OJ990412_09.9923.C18
Gene No.	9214	Strand	-
Start	935	End	6600
Name	OJ990412_09.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	983	End	1968
GI	none	Score	61

Exons 983..1075, 1183..1284, 1200..1277, 1340..1471, 1341..1475, 1352..1477, 1887..1964, 1888..1968

Seq. No.	4404	Seq. ID	OJ990412_09.9923.C23
Gene No.	9215	Strand	+
Start	320	End	387
Name	OJ990412_09.9923.C23.o1.gs	Method	GENSCAN
Start	320	End	387
GI	none	Score	.75
Exons	320..387		

Seq. No.	4405	Seq. ID	OJ990412_09.9923.C25
Gene No.	9216	Strand	-
Start	260	End	614
Name	OJ990412_09.9923.C25.o1.gp	Method	AAT/GAP
Start	260	End	614
GI	45157_1.R1084	Score	667
Exons	260..614		
GI Descrip.	'3080436/emb|CAA18753.1| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	4405	Seq. ID	OJ990412_09.9923.C25
Gene No.	9216	Strand	-
Start	260	End	614
Name	OJ990412_09.9923.C25.o1.np	Method	AAT/NAP
Start	502	End	614
GI	3080436	Score	109
Exons	502..614		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	4406	Seq. ID	OJ990412_09.9923.C26
Gene No.	9217	Strand	-
Start	64	End	596
Name	OJ990412_09.9923.C26.o1.gs	Method	GENSCAN
Start	64	End	596
GI	none	Score	.55
Exons	64..203, 456..596		

Seq. No.	4407	Seq. ID	OJ990412_09.9923.C27
Gene No.	9218	Strand	+
Start	346	End	422
Name	OJ990412_09.9923.C27.o1.np	Method	AAT/NAP
Start	346	End	422
GI	4982478	Score	77
Exons	346..422		
GI Descrip.	(AF069441) putative leucyl tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4408	Seq. ID	OJ990412_09.9923.C30
Gene No.	9219	Strand	+
Start	679	End	970
Name	OJ990412_09.9923.C30.o1.gp	Method	AAT/GAP
Start	679	End	970
GI	none	Score	555
Exons	679..970		

Seq. No.	4409	Seq. ID	OJ990412_09.9923.C31

Gene No.	9220	Strand	+
Start	127	End	199
Name	OJ990412_09.9923.C31.o1.gs	Method	GENSCAN
Start	127	End	199
GI	none	Score	.63
Exons	127..199		

Seq. No.	4410	Seq. ID	OJ990412_09.9923.C34
Gene No.	9221	Strand	+
Start	1	End	403
Name	OJ990412_09.9923.C34.o1.np	Method	AAT/NAP
Start	1	End	403
GI	6735317	Score	145
Exons	1..403		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	4410	Seq. ID	OJ990412_09.9923.C34
Gene No.	9221	Strand	+
Start	1	End	403
Name	OJ990412_09.9923.C34.o1.tm	Method	TBLASTX:Maize
Start	56	End	376
GI	none	Score	445
Exons	56..373, 58..294, 62..376		

Seq. No.	4410	Seq. ID	OJ990412_09.9923.C34
Gene No.	9221	Strand	+
Start	1	End	403
Name	OJ990412_09.9923.C34.o1.tw	Method	TBLASTX:Wheat
Start	59	End	358
GI	none	Score	422
Exons	59..358, 59..298		

Seq. No.	4410	Seq. ID	OJ990412_09.9923.C34
Gene No.	9221	Strand	+
Start	1	End	403
Name	OJ990412_09.9923.C34.o1.gs	Method	GENSCAN
Start	101	End	367
GI	none	Score	.95
Exons	101..367		

Seq. No.	4411	Seq. ID	OJ990412_09.9923.C38
Gene No.	9222	Strand	-
Start	461	End	514
Name	OJ990412_09.9923.C38.o1.gs	Method	GENSCAN
Start	461	End	514
GI	none	Score	.47
Exons	461..514		

Seq. No.	4412	Seq. ID	OJ990412_09.9923.C41
Gene No.	9223	Strand	-
Start	223	End	1071
Name	OJ990412_09.9923.C41.o1.gs	Method	GENSCAN
Start	223	End	740
GI	none	Score	.86
Exons	223..740		

Seq. No.	4412	Seq. ID	OJ990412_09.9923.C41

Gene No.	9223	Strand	-
Start	223	End	1071
Name	OJ990412_09.9923.C41.o1.tc	Method	TBLASTX:Cress
Start	229	End	750
GI	none	Score	64
Exons	229..366, 256..357, 256..345, 457..561, 457..684, 457..744,	256..354, 362..430, 457..750, 475..741	

Seq. No.	4412	Seq. ID	OJ990412_09.9923.C41
Gene No.	9223	Strand	-
Start	223	End	1071
Name	OJ990412_09.9923.C41.o1.tm	Method	TBLASTX:Maize
Start	229	End	750
GI	none	Score	164
Exons	229..363, 238..354, 256..351, 457..750, 457..684, 481..741	256..345, 445..744, 451..561,	

Seq. No.	4412	Seq. ID	OJ990412_09.9923.C41
Gene No.	9223	Strand	-
Start	223	End	1071
Name	OJ990412_09.9923.C41.o1.np	Method	AAT/NAP
Start	246	End	1071
GI	3367534	Score	818
Exons	246..741, 1046..1071		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4412	Seq. ID	OJ990412_09.9923.C41
Gene No.	9223	Strand	-
Start	223	End	1071
Name	OJ990412_09.9923.C41.o1.ts	Method	TBLASTX:Soybean
Start	256	End	744
GI	none	Score	105
Exons	256..354, 375..497, 376..630, 377..628, 460..522, 586..744		

Seq. No.	4413	Seq. ID	OJ990412_09.9923.C42
Gene No.	9224	Strand	-
Start	20	End	2937
Name	OJ990412_09.9923.C42.o1.gs	Method	GENSCAN
Start	20	End	2937
GI	none	Score	.67
Exons	20..164, 208..471, 2473..2529, 2864..2937		

Seq. No.	4413	Seq. ID	OJ990412_09.9923.C42
Gene No.	9224	Strand	-
Start	20	End	2937
Name	OJ990412_09.9923.C42.o1.np	Method	AAT/NAP
Start	201	End	415
GI	3367534	Score	332
Exons	201..415		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4413	Seq. ID	OJ990412_09.9923.C42
Gene No.	9224	Strand	-
Start	20	End	2937
Name	OJ990412_09.9923.C42.o1.ts	Method	TBLASTX:Soybean

Start	206	End	419
GI	none	Score	261
Exons	206..418, 207..419, 296..415		

Seq. No.	4413	Seq. ID	OJ990412_09.9923.C42
Gene No.	9224	Strand	-
Start	20	End	2937
Name	OJ990412_09.9923.C42.o1.tc	Method	TBLASTX:Cress
Start	206	End	428
GI	none	Score	246
Exons	206..421, 207..428		

Seq. No.	4413	Seq. ID	OJ990412_09.9923.C42
Gene No.	9224	Strand	-
Start	20	End	2937
Name	OJ990412_09.9923.C42.o1.tm	Method	TBLASTX:Maize
Start	215	End	428
GI	none	Score	208
Exons	215..418, 216..428		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.tm	Method	TBLASTX:Maize
Start	2899	End	4122
GI	none	Score	426
Exons	2899..3444, 2909..3940, 2913..3956, 2948..4090, 2953..4089, 4086..4121, 4087..4122		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.gs	Method	GENSCAN
Start	2954	End	5707
GI	none	Score	.96
Exons	2954..5707		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.ts	Method	TBLASTX:Soybean
Start	2954	End	3913
GI	none	Score	163
Exons	2954..3169, 2970..3137, 2970..3173, 2972..3157, 2974..3174, 3143..3913, 3195..3224, 3216..3305, 3227..3520, 3351..3911		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o2.tc	Method	TBLASTX:Cress
Start	2954	End	3544
GI	none	Score	131
Exons	2954..3169, 2973..3137, 2995..3177, 3180..3200, 3186..3305, 3227..3544, 3230..3529, 3423..3542		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-

Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.np	Method	AAT/NAP
Start	2957	End	5806
GI	3367534	Score	3723
Exons	2957..5806		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.gp	Method	AAT/GAP
Start	3406	End	4856
GI	12998_1.R1084	Score	2694
Exons	3406..4856		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o2.ts	Method	TBLASTX:Soybean
Start	4057	End	4771
GI	none	Score	113
Exons	4057..4335, 4130..4771, 4161..4766		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o3.tm	Method	TBLASTX:Maize
Start	4124	End	4279
GI	none	Score	162
Exons	4124..4279, 4136..4264, 4158..4277		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o3.tc	Method	TBLASTX:Cress
Start	4175	End	4633
GI	none	Score	290
Exons	4175..4210, 4205..4633, 4209..4625, 4226..4633		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o2.tm	Method	TBLASTX:Maize
Start	4280	End	4918
GI	none	Score	143
Exons	4280..4681, 4282..4434, 4286..4681, 4308..4685, 4682..4918, 4683..4913, 4714..4914		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o4.tc	Method	TBLASTX:Cress
Start	4634	End	4816

GI	none	Score	170
Exons	4634..4816, 4635..4814		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o3.ts	Method	TBLASTX:Soybean
Start	4826	End	5200
GI	none	Score	318
Exons	4826..5170, 4851..5171, 5077..5172, 5077..5172, 5156..5200		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o1.tc	Method	TBLASTX:Cress
Start	4866	End	5338
GI	none	Score	418
Exons	4866..5276, 4871..5338, 4907..5338		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o5.ts	Method	TBLASTX:Soybean
Start	5222	End	5395
GI	none	Score	134
Exons	5222..5392, 5223..5393, 5230..5394, 5243..5395		

Seq. No.	4414	Seq. ID	OJ990412_09.9923.C43
Gene No.	9225	Strand	-
Start	2954	End	5806
Name	OJ990412_09.9923.C43.o4.ts	Method	TBLASTX:Soybean
Start	5396	End	5745
GI	none	Score	271
Exons	5396..5737, 5397..5741, 5584..5745		

Seq. No.	4415	Seq. ID	OJ990402_08.9922.C2
Gene No.	9226	Strand	-
Start	1	End	575
Name	OJ990402_08.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	575
GI	6815072	Score	468
Exons	1..302, 389..575		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	4415	Seq. ID	OJ990402_08.9922.C2
Gene No.	9226	Strand	-
Start	1	End	575
Name	OJ990402_08.9922.C2.o1.gs	Method	GENSCAN
Start	77	End	287
GI	none	Score	.58
Exons	77..287		

Seq. No.	4416	Seq. ID	OJ990402_08.9922.C3
Gene No.	9227	Strand	-
Start	1	End	338
Name	OJ990402_08.9922.C3.o1.np	Method	AAT/NAP

Start	1	End	313
GI	4587549	Score	111
Exons	1..142, 237..313		
GI Descrip.	(AC006577) Similar to gb|U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF|00076 RNA recognition motif domains. ESTs gb|T21032 and gb|T44127 come from this gene. [Arabidopsis t...		

Seq. No.	4416	Seq. ID	OJ990402_08.9922.C3
Gene No.	9227	Strand	-
Start	1	End	338
Name	OJ990402_08.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	79	End	338
GI	none	Score	81
Exons	79..147, 80..145, 83..148, 230..316, 236..316, 276..338		

Seq. No.	4416	Seq. ID	OJ990402_08.9922.C3
Gene No.	9227	Strand	-
Start	1	End	338
Name	OJ990402_08.9922.C3.o1.gp	Method	AAT/GAP
Start	81	End	322
GI	27087_1.R1084	Score	225
Exons	81..142, 237..322		
GI Descrip.	'4587549/gb|AAD25780.1|AC006577_16 5.0e-72 (AC006577) Similar to gb_U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF_00076 RNA recognition motif domains. ESTs gb_T21032 and gb_T44127 come from this gene. [Arabidopsis t'		

Seq. No.	4416	Seq. ID	OJ990402_08.9922.C3
Gene No.	9227	Strand	-
Start	1	End	338
Name	OJ990402_08.9922.C3.o1.gs	Method	GENSCAN
Start	81	End	313
GI	none	Score	.91
Exons	81..142, 237..313		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9228	Strand	+
Start	333	End	632
Name	OJ990402_08.9922.C6.o1.gp	Method	AAT/GAP
Start	333	End	632
GI	38689_1.R1084	Score	548
Exons	333..632		
GI Descrip.	'4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]'		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o1.np	Method	AAT/NAP
Start	630	End	2472
GI	231654	Score	353
Exons	630..967, 1122..1326, 1593..1689, 1741..1920, 2397..2472		
GI Descrip.	BRITTLE-1 PROTEIN PRECURSOR gi|82676|pir||JQ1459 Bt1 protein precursor - maize gi|168426 (M79333) brittle-1 protein [Zea mays]		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o2.np	Method	AAT/NAP
Start	630	End	4732
GI	231654	Score	373
Exons	630..967, 1122..1326, 1593..1689, 1741..1920, 2397..2491, 4356..4420, 4656..4732		
GI Descrip.	BRITTLE-1 PROTEIN PRECURSOR gi|82676|pir||JQ1459 Bt1 protein precursor - maize gi|168426 (M79333) brittle-1 protein [Zea mays]		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o1.gs	Method	GENSCAN
Start	675	End	5176
GI	none	Score	.81
Exons	675..925, 1089..1326, 1593..1795, 1835..1926, 2406..2500, 4370..4699, 5174..5176		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	693	End	2506
GI	none	Score	240
Exons	693..932, 694..936, 1087..1218, 1088..1219, 1243..1326, 1244..1360, 1593..1928, 1609..1929, 1732..1932, 2390..2506, 2406..2498		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	693	End	861
GI	none	Score	227
Exons	693..860, 694..861, 694..861		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	723	End	1281
GI	none	Score	130
Exons	723..944, 723..947, 724..951, 724..960, 1086..1268, 1087..1281, 1088..1255		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	1090	End	2503
GI	none	Score	289
Exons	1090..1326, 1091..1327, 1562..1618, 1593..1931, 1593..1928, 1673..1933, 2390..2503, 2406..2498		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o2.gp	Method	AAT/GAP
Start	1566	End	2476
GI	2310965	Score	732
Exons	1566..1926, 2406..2476		
GI Descrip.	4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]		

Seq. No.	4417	Seq. ID	OJ990402_08.9922.C6
Gene No.	9229	Strand	-
Start	675	End	5176
Name	OJ990402_08.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	1593	End	2503
GI	none	Score	54
Exons	1593..1664, 1593..1955, 1609..1668, 1702..1929, 1725..1931, 2390..2503, 2406..2501		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9230	Strand	+
Start	1	End	400
Name	OJ990402_08.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	397
GI	3834304	Score	487
Exons	1..397		
GI Descrip.	(AC005679) Contains similarity to gi|1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb|AE000116, and to hypothetical YABO family PF|00849. [Arabidopsis thaliana]		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9230	Strand	+
Start	1	End	400
Name	OJ990402_08.9922.C7.o1.gs	Method	GENSCAN
Start	45	End	400
GI	none	Score	.7
Exons	45..400		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	20	End	153
GI	none	Score	251
Exons	20..151, 22..153, 22..153		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	23	End	244
GI	5606701	Score	147
Exons	23..133, 25..159, 157..243, 167..244		
GI Descrip.	3834304 4.0e-41 (AC005679) Contains similarity to gi_1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0		

from Escherichia coli genome gb_AE000116, and to hypothetical YABO family PF_00849. [Arabidopsis thaliana]

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	182	End	402
GI	none	Score	340
Exons	182..391, 182..400, 187..399, 187..402		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	849	End	1075
GI	none	Score	199
Exons	849..980, 852..1043, 854..1075, 854..1042, 922..1023, 947..1024, 986..1024		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o2.gs	Method	GENSCAN
Start	854	End	1255
GI	none	Score	1
Exons	854..1255		

Seq. No.	4418	Seq. ID	OJ990402_08.9922.C7
Gene No.	9231	Strand	-
Start	854	End	1256
Name	OJ990402_08.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	1049	End	1256
GI	none	Score	128
Exons	1049..1255, 1101..1256		

Seq. No.	4419	Seq. ID	OJ990402_08.9922.C8
Gene No.	9232	Strand	+
Start	1	End	609
Name	OJ990402_08.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	609
GI	4803935	Score	229
Exons	1..211, 291..609		
GI Descrip.	(AC006264) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4419	Seq. ID	OJ990402_08.9922.C8
Gene No.	9232	Strand	+
Start	1	End	609
Name	OJ990402_08.9922.C8.o1.gs	Method	GENSCAN
Start	5	End	560
GI	none	Score	.92
Exons	5..211, 291..560		

Seq. No.	4420	Seq. ID	OJ990402_08.9922.C9
Gene No.	9233	Strand	+
Start	1	End	621
Name	OJ990402_08.9922.C9.o1.np	Method	AAT/NAP

Start	1	End	612
GI	3980413	Score	288
Exons	1..102, 200..341, 505..612		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	4420	Seq. ID	OJ990402_08.9922.C9
Gene No.	9233	Strand	+
Start	1	End	621
Name	OJ990402_08.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	41	End	621
GI	none	Score	80
Exons	41..100, 43..102, 180..329, 195..353, 197..340, 198..329, 501..575, 502..561, 559..621, 562..618, 564..611		

Seq. No.	4420	Seq. ID	OJ990402_08.9922.C9
Gene No.	9233	Strand	+
Start	1	End	621
Name	OJ990402_08.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	41	End	618
GI	none	Score	73
Exons	41..100, 43..108, 172..285, 178..321, 186..341, 186..341, 197..340, 316..345, 502..618, 504..611, 559..618		

Seq. No.	4420	Seq. ID	OJ990402_08.9922.C9
Gene No.	9233	Strand	+
Start	1	End	621
Name	OJ990402_08.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	183	End	618
GI	none	Score	62
Exons	183..338, 184..285, 195..341, 197..340, 197..340, 198..341, 502..618, 504..611, 505..612		

Seq. No.	4420	Seq. ID	OJ990402_08.9922.C9
Gene No.	9233	Strand	+
Start	1	End	621
Name	OJ990402_08.9922.C9.o1.gs	Method	GENSCAN
Start	200	End	612
GI	none	Score	.94
Exons	200..341, 505..612		

Seq. No.	4421	Seq. ID	OJ990402_08.9922.C10
Gene No.	9234	Strand	-
Start	1	End	117
Name	OJ990402_08.9922.C10.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	18766_1.R1084	Score	206
Exons	1..117		
GI Descrip.	'2827528/emb|CAA16536.1| 4.0e-17 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	4422	Seq. ID	OJ990402_08.9922.C12
Gene No.	9235	Strand	-
Start	173	End	737
Name	OJ990402_08.9922.C12.o1.gs	Method	GENSCAN
Start	173	End	720
GI	none	Score	.7

Exons	173..300, 558..720		
Seq. No.	4422	Seq. ID	OJ990402_08.9922.C12
Gene No.	9235	Strand	-
Start	173	End	737
Name	OJ990402_08.9922.C12.o1.np	Method	AAT/NAP
Start	546	End	737
GI	498278	Score	208
Exons	546..737		
GI Descrip.	(L27341) receptor kinase [Petunia inflata]		
Seq. No.	4422	Seq. ID	OJ990402_08.9922.C12
Gene No.	9235	Strand	-
Start	173	End	737
Name	OJ990402_08.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	553	End	717
GI	none	Score	94
Exons	553..717, 554..709		
Seq. No.	4422	Seq. ID	OJ990402_08.9922.C12
Gene No.	9235	Strand	-
Start	173	End	737
Name	OJ990402_08.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	553	End	736
GI	none	Score	72
Exons	553..735, 557..736		
Seq. No.	4423	Seq. ID	OJ990402_08.9922.C13
Gene No.	9236	Strand	+
Start	253	End	564
Name	OJ990402_08.9922.C13.o1.gs	Method	GENSCAN
Start	253	End	564
GI	none	Score	.5
Exons	253..564		
Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9237	Strand	+
Start	138	End	318
Name	OJ990402_08.9922.C14.o1.gs	Method	GENSCAN
Start	138	End	318
GI	none	Score	.88
Exons	138..318		
Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o1.gp	Method	AAT/GAP
Start	1531	End	2350
GI	LIB3431-033-P1-K1-E1	Score	834
Exons	1531..1629, 1738..1909, 2171..2350		
GI Descrip.	'3980412 1.0e-45 (AC004561) pumilio-like protein [Arabidopsis thaliana]'		
Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o2.gs	Method	GENSCAN

Start	1607	End	8731
GI	none	Score	.72
Exons	1607..1629, 1738..1909, 2171..2365, 2711..2821, 2906..3118, 3942..4049, 4213..4354, 4452..5869, 7273..7915, 8608..8731		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o1.np	Method	AAT/NAP
Start	1691	End	4754
GI	3980417	Score	1025
Exons	1691..1909, 2171..2365, 2711..2821, 2906..3118, 3942..4049, 4213..4354, 4452..4754		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1718	End	4825
GI	none	Score	77
Exons	1718..1906, 1742..1918, 1847..1906, 1847..1909, 1851..1910, 1852..1911, 2150..2356, 2169..2399, 2171..2368, 2711..2821, 2712..2807, 2712..2822, 2858..3121, 2897..3118, 2899..3123, 2901..3119, 2906..3043, 3933..3995, 3936..4013, 3943..3990, 3979..4053, 3985..4062, 4201..4359, 4214..4357, 4225..4374, 4225..4356, 4269..4358, 4452..4823, 4453..4824, 4454..4825, 4454..4822		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o2.tc	Method	TBLASTX:Cress
Start	1718	End	1912
GI	none	Score	128
Exons	1718..1909, 1733..1912, 1854..1910		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	1757	End	4705
GI	none	Score	201
Exons	1757..1903, 1760..1936, 1760..1918, 2894..3118, 2895..3119, 2897..3121, 2906..3115, 2910..3032, 3936..4052, 3943..4050, 4209..4238, 4213..4368, 4213..4368, 4214..4357, 4233..4376, 4269..4382, 4446..4547, 4454..4705		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	2711	End	4368
GI	none	Score	77
Exons	2711..2821, 2715..2780, 2894..3118, 2910..3065, 3936..4013, 3936..4004, 4213..4368		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o2.gp	Method	AAT/GAP
Start	2906	End	4048
GI	429012	Score	617
Exons	2906..3118, 3942..4048		
GI Descrip.	3980412 1.0e-45 (AC004561) pumilio-like protein [Arabidopsis thaliana]		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	4874	End	5245
GI	none	Score	129
Exons	4874..4999, 4875..5000, 4875..5000, 4885..5001, 5000..5245, 5001..5243		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o3.gp	Method	AAT/GAP
Start	5294	End	5719
GI	LIB3475-004-P1-K2-E2	Score	828
Exons	5294..5719		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	4424	Seq. ID	OJ990402_08.9922.C14
Gene No.	9238	Strand	-
Start	1607	End	8731
Name	OJ990402_08.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	5771	End	7476
GI	none	Score	139
Exons	5771..5860, 7332..7475, 7342..7476, 7342..7476		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	2390
GI	4938489	Score	837
Exons	1..75, 501..724, 807..1027, 1112..1279, 1358..1818, 1987..2390		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	500	End	860
GI	none	Score	66
Exons	500..724, 801..860		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-

Start	1	End	2394
Name	OJ990402_08.9922.C15.o3.tm	Method	TBLASTX:Maize
Start	500	End	755
GI	none	Score	258
Exons	500..712, 500..721, 543..755		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o1.gs	Method	GENSCAN
Start	501	End	2390
GI	none	Score	.67
Exons	501..724, 765..1024, 1148..2390		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o1.gp	Method	AAT/GAP
Start	655	End	1034
GI	2309841	Score	513
Exons	655..724, 807..1034		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	927	End	1356
GI	none	Score	69
Exons	927..1022, 928..1026, 934..1023, 941..1069, 1112..1342, 1113..1355, 1113..1355, 1114..1356		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	1990	End	2394
GI	none	Score	483
Exons	1990..2394, 1992..2393		

Seq. No.	4425	Seq. ID	OJ990402_08.9922.C15
Gene No.	9239	Strand	-
Start	1	End	2394
Name	OJ990402_08.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	2175	End	2394
GI	none	Score	130
Exons	2175..2393, 2176..2394		

Seq. No.	4426	Seq. ID	OJ990402_08.9922.C16
Gene No.	9240	Strand	+
Start	488	End	841
Name	OJ990402_08.9922.C16.o1.gs	Method	GENSCAN
Start	488	End	841
GI	none	Score	.8
Exons	488..841		

Seq. No.	4427	Seq. ID	OJ990402_08.9922.C17
Gene No.	9241	Strand	-

Start	1981	End	4781
Name	OJ990402_08.9922.C17.o1.gs	Method	GENSCAN
Start	1981	End	4781
GI	none	Score	.62
Exons	1981..2127, 3490..3703, 3771..3841, 4187..4383, 4732..4781		

Seq. No.	4427	Seq. ID	OJ990402_08.9922.C17
Gene No.	9241	Strand	-
Start	1981	End	4781
Name	OJ990402_08.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	3401	End	4264
GI	none	Score	112
Exons	3401..3466, 3408..3596, 3412..3597, 3533..3610, 4187..4264		

Seq. No.	4428	Seq. ID	OJ990402_08.9922.C19
Gene No.	9242	Strand	-
Start	584	End	709
Name	OJ990402_08.9922.C19.o1.gs	Method	GENSCAN
Start	584	End	709
GI	none	Score	.65
Exons	584..709		

Seq. No.	4429	Seq. ID	OJ990402_08.9922.C20
Gene No.	9243	Strand	+
Start	1	End	467
Name	OJ990402_08.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	467
GI	6815072	Score	278
Exons	1..467		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	4430	Seq. ID	OJ990402_08.9922.C21
Gene No.	9244	Strand	+
Start	791	End	1582
Name	OJ990402_08.9922.C21.o1.gs	Method	GENSCAN
Start	791	End	1582
GI	none	Score	.59
Exons	791..1100, 1148..1187, 1438..1582		

Seq. No.	4430	Seq. ID	OJ990402_08.9922.C21
Gene No.	9245	Strand	+
Start	2636	End	4480
Name	OJ990402_08.9922.C21.o2.gs	Method	GENSCAN
Start	2636	End	4480
GI	none	Score	.52
Exons	2636..2960, 3006..3155, 4419..4480		

Seq. No.	4431	Seq. ID	OJ990402_08.9922.C22
Gene No.	9246	Strand	+
Start	1	End	555
Name	OJ990402_08.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6815072	Score	389
Exons	1..424, 533..555		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.gp	Method	AAT/GAP
Start	311	End	1108
GI	97026_1.R1084	Score	605
Exons	311..501, 723..768, 868..980, 1082..1108		
GI Descrip.	'2760323 2.0e-19 (AC002130) F1N21.8 [Arabidopsis thaliana]'		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.gs	Method	GENSCAN
Start	502	End	3858
GI	none	Score	.55
Exons	502..602, 723..768, 868..980, 1079..1232, 1813..1877, 3067..3097, 3309..3460, 3814..3858		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.np	Method	AAT/NAP
Start	702	End	3460
GI	2760323	Score	571
Exons	702..768, 868..980, 1076..1386, 1813..1886, 2098..2149, 2236..2364, 3306..3460		
GI Descrip.	(AC002130) F1N21.8 [Arabidopsis thaliana]		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.tc	Method	TBLASTX:Cress
Start	719	End	3460
GI	none	Score	71
Exons	719..769, 720..770, 849..959, 858..977, 887..979, 2222..2332, 2229..2330, 2238..2339, 3323..3460		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	720	End	3679
GI	none	Score	79
Exons	720..770, 722..772, 846..980, 858..980, 864..956, 867..968, 879..971, 887..991, 887..967, 929..991, 1108..1245, 1109..1246, 1111..1284, 1122..1289, 1122..1283, 1308..1388, 1313..1402, 1314..1331, 1358..1387, 1808..1843, 1810..1848, 1812..1850, 1854..1892, 1855..1890, 1856..1897, 2085..2150, 2097..2150, 2098..2178, 2219..2332, 2228..2338, 2229..2339, 2229..2354, 2239..2340, 2241..2330, 3305..3463, 3308..3412, 3310..3423, 3323..3412, 3323..3412, 3471..3518, 3472..3522, 3623..3679		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o1.ts	Method	TBLASTX:Soybean

Start	720	End	3484
GI	none	Score	65
Exons	720..770, 722..772, 858..977, 876..968, 879..974, 887..979, 1064..1135, 1178..1237, 1237..1287, 1308..1388, 1833..1877, 2098..2148, 2222..2332, 2229..2330, 2231..2329, 2232..2351, 2238..2330, 2241..2357, 2244..2339, 3305..3460, 3313..3411, 3323..3484, 3323..3451		

Seq. No.	4432	Seq. ID	OJ990402_08.9922.C23
Gene No.	9247	Strand	+
Start	311	End	3945
Name	OJ990402_08.9922.C23.o2.gp	Method	AAT/GAP
Start	1300	End	3945
GI	29364_1.R1084	Score	1395
Exons	1300..1386, 1813..1877, 2098..2149, 2230..2339, 3067..3097, 3309..3460, 3628..3945		
GI Descrip.	'2760323 6.0e-32 (AC002130) F1N21.8 [Arabidopsis thaliana]'		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9248	Strand	+
Start	536	End	888
Name	OJ990402_08.9922.C24.o1.gs	Method	GENSCAN
Start	536	End	888
GI	none	Score	.59
Exons	536..616, 670..888		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o2.gs	Method	GENSCAN
Start	2307	End	6792
GI	none	Score	.69
Exons	2307..2315, 2659..2779, 3395..3539, 3717..3834, 4171..5240, 5957..6231, 6307..6499, 6539..6650, 6676..6792		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o3.tc	Method	TBLASTX:Cress
Start	2561	End	3066
GI	none	Score	58
Exons	2561..2617, 2644..2847, 2863..2985, 2995..3066		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o1.np	Method	AAT/NAP
Start	2611	End	6847
GI	2586082	Score	4008
Exons	2611..4248, 4279..4520, 4584..6847		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	2635	End	3258

GI	none	Score	57
Exons	2635..3258, 2663..2839, 2668..3060, 2870..3064, 3104..3256		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o6.tw	Method	TBLASTX:Wheat
Start	2659	End	3015
GI	none	Score	48
Exons	2659..2850, 2768..2851, 2857..3015, 2864..2965		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	2662	End	3270
GI	none	Score	54
Exons	2662..2838, 2741..2839, 2863..3270, 2921..3064, 3104..3268		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	3022	End	3459
GI	none	Score	50
Exons	3022..3459, 3024..3062, 3140..3454		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o4.tc	Method	TBLASTX:Cress
Start	3325	End	3576
GI	none	Score	203
Exons	3325..3576		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	3394	End	3840
GI	none	Score	112
Exons	3394..3840, 3530..3820		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o3.tw	Method	TBLASTX:Wheat
Start	3460	End	3973
GI	none	Score	83
Exons	3460..3642, 3628..3972, 3664..3819, 3755..3823, 3875..3973		

Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o2.ts	Method	TBLASTX:Soybean
Start	3637	End	4140
GI	5509260	Score	115

Exons	3637..4140, 3650..3814, 3854..4018		
GI Descrip.	-		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o2.tc	Method	TBLASTX:Cress
Start	3754	End	4036
GI	none	Score	70
Exons	3754..4020, 3763..3831, 3773..4009, 3923..4036		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o6.tm	Method	TBLASTX:Maize
Start	3841	End	4093
GI	none	Score	126
Exons	3841..4092, 3842..4093		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o4.tw	Method	TBLASTX:Wheat
Start	4789	End	5145
GI	none	Score	165
Exons	4789..5145, 4805..5128		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	4798	End	5289
GI	none	Score	341
Exons	4798..5289		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o3.ts	Method	TBLASTX:Soybean
Start	4819	End	5235
GI	none	Score	255
Exons	4819..5235		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o3.tm	Method	TBLASTX:Maize
Start	4826	End	5235
GI	none	Score	80
Exons	4826..5011, 4828..5142, 5164..5235		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o4.ts	Method	TBLASTX:Soybean
Start	5322	End	5654
GI	none	Score	77

Exons	5322..5426, 5448..5555, 5559..5654		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o4.tm	Method	TBLASTX:Maize
Start	5739	End	6041
GI	none	Score	63
Exons	5739..6041, 5772..5891, 5818..6036, 5922..6041		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o2.tw	Method	TBLASTX:Wheat
Start	5748	End	6137
GI	none	Score	234
Exons	5748..6137, 5754..6086, 5851..6120		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o5.tw	Method	TBLASTX:Wheat
Start	6324	End	6641
GI	none	Score	109
Exons	6324..6641, 6427..6636		
Seq. No.	4433	Seq. ID	OJ990402_08.9922.C24
Gene No.	9249	Strand	-
Start	2307	End	6847
Name	OJ990402_08.9922.C24.o5.tm	Method	TBLASTX:Maize
Start	6471	End	6774
GI	none	Score	118
Exons	6471..6671, 6475..6645, 6721..6774		
Seq. No.	4434	Seq. ID	OJ990402_08.9922.C25
Gene No.	9250	Strand	+
Start	266	End	920
Name	OJ990402_08.9922.C25.o1.gs	Method	GENSCAN
Start	266	End	920
GI	none	Score	.85
Exons	266..333, 782..920		
Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9251	Strand	+
Start	2287	End	6651
Name	OJ990402_08.9922.C26.o1.gs	Method	GENSCAN
Start	2287	End	6651
GI	none	Score	.47
Exons	2287..2359, 3655..3779, 5224..5543, 6270..6651		
Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9252	Strand	-
Start	2096	End	2895
Name	OJ990402_08.9922.C26.o1.gp	Method	AAT/GAP
Start	2096	End	2895
GI	none	Score	816
Exons	2096..2423, 2654..2712, 2855..2895		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9253	Strand	-
Start	2905	End	3891
Name	OJ990402_08.9922.C26.o2.gp	Method	AAT/GAP
Start	2905	End	3891
GI	7375_1.R1084	Score	1050
Exons	2905..2940, 3197..3242, 3350..3891		
GI Descrip.	'4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]'		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o3.tm	Method	TBLASTX:Maize
Start	7085	End	7345
GI	none	Score	209
Exons	7085..7273, 7090..7236, 7280..7345		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o2.gs	Method	GENSCAN
Start	8154	End	14255
GI	none	Score	.5
Exons	8154..8379, 8530..8555, 9022..9106, 9224..9402, 9777..10083, 10607..10688, 10765..10898, 11015..11078, 11149..11425, 11534..11686, 11838..12142, 12200..13072, 13607..14255		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o1.np	Method	AAT/NAP
Start	11790	End	13999
GI	6815072	Score	2158
Exons	11790..13999		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o1.ts	Method	TBLASTX:Soybean
Start	11883	End	12066
GI	none	Score	108
Exons	11883..12065, 11887..12063, 11893..12066		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o2.tm	Method	TBLASTX:Maize
Start	11989	End	12311
GI	none	Score	44
Exons	11989..12069, 11991..12080, 12090..12311, 12091..12309		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-

Start	8154	End	14255
Name	OJ990402_08.9922.C26.o1.tc	Method	TBLASTX:Cress
Start	12057	End	12314
GI	none	Score	100
Exons	12057..12314, 12115..12303		

Seq. No.	4435	Seq. ID	OJ990402_08.9922.C26
Gene No.	9254	Strand	-
Start	8154	End	14255
Name	OJ990402_08.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	12618	End	12986
GI	none	Score	125
Exons	12618..12986, 12742..12969, 12888..12986		

Seq. No.	4436	Seq. ID	OJ990402_08.9922.C28
Gene No.	9255	Strand	+
Start	1	End	606
Name	OJ990402_08.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	606
GI	4539660	Score	792
Exons	1..606		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	4436	Seq. ID	OJ990402_08.9922.C28
Gene No.	9255	Strand	+
Start	1	End	606
Name	OJ990402_08.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	318
GI	none	Score	437
Exons	1..318, 16..312		

Seq. No.	4436	Seq. ID	OJ990402_08.9922.C28
Gene No.	9255	Strand	+
Start	1	End	606
Name	OJ990402_08.9922.C28.o1.tw	Method	TBLASTX:Wheat
Start	43	End	546
GI	none	Score	574
Exons	43..546, 123..545		

Seq. No.	4436	Seq. ID	OJ990402_08.9922.C28
Gene No.	9255	Strand	+
Start	1	End	606
Name	OJ990402_08.9922.C28.o1.gs	Method	GENSCAN
Start	256	End	537
GI	none	Score	.66
Exons	256..537		

Seq. No.	4436	Seq. ID	OJ990402_08.9922.C28
Gene No.	9255	Strand	+
Start	1	End	606
Name	OJ990402_08.9922.C28.o2.tm	Method	TBLASTX:Maize
Start	324	End	546
GI	none	Score	244
Exons	324..542, 325..546		

Seq. No.	4437	Seq. ID	OJ990402_08.9922.C29
Gene No.	9256	Strand	+

Start	346	End	1345
Name	OJ990402_08.9922.C29.o1.np	Method	AAT/NAP
Start	346	End	1345
GI	3834304	Score	496
Exons	346..527, 601..717, 841..942, 1166..1345		
GI Descrip.	(AC005679) Contains similarity to gi|1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb|AE000116, and to hypothetical YABO family PF|00849. [Arabidopsis thaliana]		

Seq. No.	4437	Seq. ID	OJ990402_08.9922.C29
Gene No.	9256	Strand	+
Start	346	End	1345
Name	OJ990402_08.9922.C29.o1.gs	Method	GENSCAN
Start	378	End	1324
GI	none	Score	.75
Exons	378..506, 601..717, 1166..1324		

Seq. No.	4437	Seq. ID	OJ990402_08.9922.C29
Gene No.	9256	Strand	+
Start	346	End	1345
Name	OJ990402_08.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	1146	End	1333
GI	none	Score	182
Exons	1146..1331, 1163..1333, 1165..1332		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9257	Strand	-
Start	29	End	541
Name	OJ990402_08.9922.C30.o1.gs	Method	GENSCAN
Start	29	End	541
GI	none	Score	.5
Exons	29..541		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o1.gp	Method	AAT/GAP
Start	1229	End	1857
GI	19315_1.R1084	Score	1167
Exons	1229..1857		
GI Descrip.	'4530509/gb|AAD22071.1| 2.0e-11 (AF124748) putative RNA-binding protein [Larix laricina]'		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	1279	End	5285
GI	none	Score	46
Exons	1279..1311, 1280..1342, 1438..1479, 1447..1503, 1462..1551, 1555..1608, 1556..1642, 1557..1583, 1565..1630, 1572..1769, 1679..1765, 1769..1849, 1805..1849, 1934..2041, 1937..2113, 1938..2111, 1939..2115, 1948..2112, 2288..2389, 2289..2381, 2290..2385, 2907..3026, 2911..3036, 2912..3034, 3128..3178, 3132..3167, 3790..3876, 3797..3874, 3799..3876, 3807..3878, 4122..4235, 4130..4285, 4311..4379, 4312..4377, 4315..4380,		

4462..4548, 4468..4548, 5199..5285, 5207..5284

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o2.gs	Method	GENSCAN
Start	1555	End	6815
GI	none	Score	.86
Exons	1555..1848, 1937..2110, 2291..2382, 2907..3029, 4313..4374, 4469..4545, 5207..5309, 5587..5648, 6654..6815		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o1.np	Method	AAT/NAP
Start	1558	End	6800
GI	4587549	Score	886
Exons	1558..1848, 1937..2110, 2291..2369, 2909..3029, 3133..3163, 3801..3876, 4131..4218, 4313..4374, 4469..4545, 5207..5309, 5587..5651, 6675..6800		
GI Descrip.	(AC006577) Similar to gb|U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF|00076 RNA recognition motif domains. ESTs gb|T21032 and gb|T44127 come from this gene. [Arabidopsis t...		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o1.ts	Method	TBLASTX:Soybean
Start	1690	End	5651
GI	none	Score	73
Exons	1690..1773, 1805..1849, 1934..2041, 1937..2122, 1938..2084, 2288..2398, 2289..2366, 2911..2976, 2932..3036, 2984..3037, 2987..3043, 3132..3170, 3799..3876, 3807..3878, 4130..4219, 4131..4235, 4311..4370, 4312..4377, 4468..4548, 5207..5308, 5208..5306, 5581..5649, 5586..5651		

Seq. No.	4438	Seq. ID	OJ990402_08.9922.C30
Gene No.	9258	Strand	-
Start	1555	End	6815
Name	OJ990402_08.9922.C30.o2.gp	Method	AAT/GAP
Start	1925	End	4554
GI	27087_1.R1084	Score	1205
Exons	1925..2110, 2291..2382, 2907..3029, 3133..3163, 3801..3876, 4131..4218, 4313..4374, 4469..4554		
GI Descrip.	'4587549/gb|AAD25780.1|AC006577_16 5.0e-72 (AC006577) Similar to gb_U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF_00076 RNA recognition motif domains. ESTs gb_T21032 and gb_T44127 come from this gene. [Arabidopsis t'		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9259	Strand	+
Start	17677	End	19198
Name	OJ990402_08.9922.C31.o5.gs	Method	GENSCAN
Start	17677	End	19198
GI	none	Score	.61

Exons	17677..17737, 18867..19198		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9260	Strand	+
Start	23472	End	23698
Name	OJ990402_08.9922.C31.o4.gp	Method	AAT/GAP
Start	23472	End	23698
GI	none	Score	398
Exons	23472..23698		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9261	Strand	-
Start	1	End	64
Name	OJ990402_08.9922.C31.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	26236_1.R1084	Score	128
Exons	1..64		
GI Descrip.	'4680340/gb|AAD27631.1|AF128457_5 9.0e-23 (AF128457) putative nucleolysin [Oryza sativa subsp. indica]'		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9262	Strand	-
Start	1959	End	2339
Name	OJ990402_08.9922.C31.o1.gs	Method	GENSCAN
Start	1959	End	2339
GI	none	Score	.88
Exons	1959..2136, 2257..2339		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9263	Strand	-
Start	3799	End	5010
Name	OJ990402_08.9922.C31.o2.gs	Method	GENSCAN
Start	3799	End	5010
GI	none	Score	.94
Exons	3799..5010		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9264	Strand	-
Start	6043	End	6514
Name	OJ990402_08.9922.C31.o2.gp	Method	AAT/GAP
Start	6043	End	6514
GI	none	Score	853
Exons	6043..6514		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9265	Strand	-
Start	6492	End	12749
Name	OJ990402_08.9922.C31.o2.np	Method	AAT/NAP
Start	6468	End	12749
GI	4104929	Score	1566
Exons	6468..6645, 7133..7323, 7496..9339, 9495..9633, 9702..9777, 10109..10231, 10312..10476, 10588..10678, 10891..10975, 11063..11218, 11315..11371, 11491..11589, 12582..12749		
GI Descrip.	(AF042195) auxin response factor 7 [Arabidopsis thaliana]		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9265	Strand	-

Start	6492	End	12749
Name	OJ990402_08.9922.C31.o3.gs	Method	GENSCAN
Start	6492	End	12743
GI	none	Score	.93
Exons	6492..6645, 7133..7323, 7496..9339, 9495..9645, 9738..9777, 10109..10231, 10312..10476, 10588..10678, 10891..10975, 11063..11227, 12582..12743		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9265	Strand	-
Start	6492	End	12749
Name	OJ990402_08.9922.C31.o3.gp	Method	AAT/GAP
Start	7480	End	7942
GI	none	Score	703
Exons	7480..7942		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9266	Strand	-
Start	14659	End	14796
Name	OJ990402_08.9922.C31.o4.gs	Method	GENSCAN
Start	14659	End	14796
GI	none	Score	.4
Exons	14659..14796		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9267	Strand	-
Start	25223	End	26221
Name	OJ990402_08.9922.C31.o7.gs	Method	GENSCAN
Start	25223	End	26221
GI	none	Score	1
Exons	25223..26221		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9267	Strand	-
Start	25223	End	26221
Name	OJ990402_08.9922.C31.o3.np	Method	AAT/NAP
Start	25226	End	26218
GI	6751704	Score	563
Exons	25226..26218		
GI Descrip.	(AC018848) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o4.tm	Method	TBLASTX:Maize
Start	4539	End	4832
GI	none	Score	81
Exons	4539..4628, 4558..4638, 4558..4629, 4627..4830, 4635..4832		

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o1.tc	Method	TBLASTX:Cress
Start	6471	End	12680
GI	none	Score	80
Exons	6471..6644, 6508..6660, 7128..7265, 7132..7332, 7190..7324, 7192..7326, 9171..9209, 9197..9253, 9204..9242, 9266..9340,		

9267..9341, 9491..9628, 9499..9639, 9690..9779, 9690..9779,
9701..9802, 10103..10165, 10105..10170, 10177..10230,
10178..10219, 10283..10474, 10284..10478, 10285..10479,
10587..10679, 10588..10680, 10874..10975, 10890..10976,
11061..11162, 11063..11227, 11065..11217, 11303..11380,
11318..11380, 11494..11553, 11498..11554, 11560..11592,
12579..12680, 12580..12678

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o1.tm	Method	TBLASTX:Maize
Start	6490	End	9767
GI	none	Score	204

Exons 6490..6660, 6491..6643, 6492..6644, 7125..7325, 7132..7332,
7190..7324, 7192..7326, 7493..7537, 7495..7533, 7522..7740,
7538..7969, 7542..7955, 7959..8315, 7963..8316, 7965..8315,
8317..8454, 8323..8427, 8327..8476, 8328..8429, 8478..8525,
8526..8576, 8554..8619, 8568..8621, 8569..8622, 8722..8805,
8727..8864, 8739..8795, 8808..8876, 8862..9344, 8879..9340,
9496..9633, 9497..9637, 9699..9767, 9703..9765, 9708..9767

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o2.ts	Method	TBLASTX:Soybean
Start	6516	End	7804
GI	none	Score	116

Exons 6516..6644, 6520..6645, 7132..7332, 7190..7324, 7493..7519,
7550..7633, 7566..7661, 7569..7655, 7736..7804

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o1.tw	Method	TBLASTX:Wheat
Start	7627	End	7857
GI	none	Score	129

Exons 7627..7740, 7629..7736, 7736..7852, 7742..7843, 7744..7857,
7744..7857

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o3.ts	Method	TBLASTX:Soybean
Start	9487	End	10416
GI	5509656	Score	103

Exons 9487..9639, 9491..9634, 9491..9649, 9690..9776, 9691..9777,
9700..9786, 10103..10165, 10105..10170, 10177..10233,
10178..10234, 10299..10397, 10318..10416, 10320..10388

GI Descrip. 4103243 7.0e-51 (AF022368) BIPOSTO [Arabidopsis thaliana]

Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o3.tm	Method	TBLASTX:Maize
Start	10103	End	10975
GI	none	Score	166

Exons	10103..10267, 10105..10233, 10310..10480, 10311..10478, 10312..10479, 10581..10679, 10587..10706, 10588..10680, 10874..10975, 10880..10975		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o1.ts	Method	TBLASTX:Soybean
Start	10901	End	11362
GI	none	Score	66
Exons	10901..10975, 10908..10970, 11063..11227, 11081..11155, 11318..11362		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o2.tm	Method	TBLASTX:Maize
Start	11069	End	12666
GI	none	Score	138
Exons	11069..11227, 11072..11173, 11074..11226, 11312..11371, 11312..11371, 11313..11402, 11313..11402, 11477..11590, 11491..11592, 11491..11592, 12579..12665, 12579..12665, 12580..12666		
Seq. No.	4439	Seq. ID	OJ990402_08.9922.C31
Gene No.	9268	Strand	-
Start	26379	End	26681
Name	OJ990402_08.9922.C31.o8.gs	Method	GENSCAN
Start	26379	End	26681
GI	none	Score	.98
Exons	26379..26516, 26554..26681		
Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9269	Strand	+
Start	1072	End	1361
Name	OJ990402_08.9922.C32.o1.gs	Method	GENSCAN
Start	1072	End	1361
GI	none	Score	.98
Exons	1072..1200, 1290..1361		
Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o1.ts	Method	TBLASTX:Soybean
Start	1071	End	1358
GI	none	Score	133
Exons	1071..1166, 1072..1170, 1138..1209, 1161..1202, 1292..1357, 1293..1358		
Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o1.gp	Method	AAT/GAP
Start	1760	End	2391
GI	60_1.R1084	Score	855
Exons	1760..2127, 2248..2391		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza		

sativa]'

Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	1842	End	2371
GI	none	Score	169
Exons	1842..2000, 1846..2124, 1848..2126, 1858..2145, 2040..2129, 2254..2367, 2255..2371		

Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o1.np	Method	AAT/NAP
Start	1848	End	2455
GI	3252794	Score	643
Exons	1848..2127, 2248..2455		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		

Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o2.gs	Method	GENSCAN
Start	1870	End	2365
GI	none	Score	.98
Exons	1870..2127, 2248..2365		

Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o2.ts	Method	TBLASTX:Soybean
Start	2002	End	2362
GI	none	Score	62
Exons	2002..2124, 2240..2338, 2244..2339, 2246..2362, 2257..2361		

Seq. No.	4440	Seq. ID	OJ990402_08.9922.C32
Gene No.	9270	Strand	-
Start	1870	End	2455
Name	OJ990402_08.9922.C32.o1.tc	Method	TBLASTX:Cress
Start	2026	End	2364
GI	none	Score	61
Exons	2026..2145, 2032..2106, 2245..2364, 2246..2362		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9271	Strand	+
Start	14120	End	15631
Name	OJ990402_08.9922.C33.o2.np	Method	AAT/NAP
Start	14120	End	15631
GI	2827528	Score	184
Exons	14120..14186, 15306..15456, 15531..15631		
GI Descrip.	(AL021633) predicted protein [Arabidopsis thaliana]		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9271	Strand	+
Start	14120	End	15631
Name	OJ990402_08.9922.C33.o2.gp	Method	AAT/GAP

Start	15209	End	15418
GI	428385	Score	396
Exons	15209..15418		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9272	Strand	-
Start	1	End	6329
Name	OJ990402_08.9922.C33.o1.np	Method	AAT/NAP
Start	1	End	6095
GI	3252794	Score	2849
Exons	1..171, 252..332, 487..570, 1008..1166, 1655..1747, 2189..2275, 2629..2755, 2844..2915, 3314..3399, 3514..3621, 3704..3845, 4427..4503, 4897..5049, 5406..5498, 5603..5785, 5919..6095		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9272	Strand	-
Start	1	End	6329
Name	OJ990402_08.9922.C33.o1.gp	Method	AAT/GAP
Start	92	End	6095
GI	60_1.R1084	Score	3265
Exons	92..171, 252..332, 487..570, 1008..1166, 1655..1747, 2189..2275, 2629..2755, 2844..2915, 3314..3399, 3514..3621, 3704..3845, 4427..4503, 4897..5049, 5406..5498, 5603..5785, 5919..6095		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9272	Strand	-
Start	1	End	6329
Name	OJ990402_08.9922.C33.o1.gs	Method	GENSCAN
Start	92	End	6329
GI	none	Score	.54
Exons	92..171, 252..332, 1008..1229, 1655..1747, 2189..2275, 2629..2755, 2844..2915, 3314..3399, 3514..3621, 3704..3845, 4427..4503, 4897..5049, 5406..5498, 5603..5785, 6183..6329		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9273	Strand	-
Start	7808	End	11559
Name	OJ990402_08.9922.C33.o2.gs	Method	GENSCAN
Start	7808	End	11559
GI	none	Score	.4
Exons	7808..8167, 9252..9371, 10691..10793, 11507..11559		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o3.tm	Method	TBLASTX:Maize
Start	249	End	1760
GI	none	Score	104
Exons	249..335, 249..332, 250..351, 251..334, 476..571, 486..572, 487..573, 1001..1168, 1006..1167, 1008..1169, 1089..1172, 1637..1747, 1653..1760, 1656..1748		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-

Start	15124	End	15629
Name	OJ990402_08.9922.C33.o3.ts	Method	TBLASTX:Soybean
Start	1014	End	1750
GI	none	Score	108
Exons	1014..1043, 1050..1169, 1060..1197, 1090..1164, 1092..1172, 1653..1739, 1655..1750, 1659..1748		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o1.tm	Method	TBLASTX:Maize
Start	2189	End	5037
GI	none	Score	139
Exons	2189..2275, 2190..2294, 2190..2276, 2620..2787, 2624..2758, 2836..2916, 2844..2921, 2846..2917, 3310..3411, 3317..3400, 3322..3402, 3490..3621, 3491..3622, 3492..3626, 3495..3623, 3514..3624, 3693..3845, 3701..3850, 4426..4506, 4427..4510, 4430..4504, 4889..5035, 4919..5035, 4921..5037, 4921..5037		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o2.ts	Method	TBLASTX:Soybean
Start	2707	End	3782
GI	none	Score	55
Exons	2707..2760, 2710..2787, 2846..2917, 2852..2917, 2853..2921, 3310..3411, 3317..3400, 3476..3493, 3490..3621, 3515..3604, 3571..3624, 3575..3622, 3693..3782, 3701..3781		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o2.tm	Method	TBLASTX:Maize
Start	5708	End	6076
GI	none	Score	67
Exons	5708..5809, 5709..5753, 5714..5785, 5737..5787, 5914..6072, 5919..6074, 5996..6076		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o3.gs	Method	GENSCAN
Start	15124	End	15551
GI	none	Score	.91
Exons	15124..15551		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o1.ts	Method	TBLASTX:Soybean
Start	15288	End	15629
GI	none	Score	166
Exons	15288..15458, 15289..15456, 15524..15628, 15528..15629		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629

Name	OJ990402_08.9922.C33.o1.tc	Method	TBLASTX:Cress
Start	15289	End	15629
GI	none	Score	136
Exons	15289..15456, 15289..15456, 15528..15629, 15530..15628		

Seq. No.	4441	Seq. ID	OJ990402_08.9922.C33
Gene No.	9274	Strand	-
Start	15124	End	15629
Name	OJ990402_08.9922.C33.o4.tm	Method	TBLASTX:Maize
Start	15292	End	15629
GI	none	Score	202
Exons	15292..15456, 15292..15456, 15528..15629, 15533..15628		

Seq. No.	4442	Seq. ID	OJ990402_08.9922.C34
Gene No.	9275	Strand	-
Start	2532	End	3105
Name	OJ990402_08.9922.C34.o2.gs	Method	GENSCAN
Start	2532	End	3105
GI	none	Score	.53
Exons	2532..2546, 2689..3105		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o1.np	Method	AAT/NAP
Start	1553	End	6310
GI	6498441	Score	6138
Exons	1553..2618, 2949..3412, 3476..3849, 4033..4167, 4342..5064, 5236..6310		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o4.tm	Method	TBLASTX:Maize
Start	1744	End	1992
GI	none	Score	195
Exons	1744..1992, 1746..1991, 1840..1992		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o6.tw	Method	TBLASTX:Wheat
Start	1756	End	2094
GI	none	Score	109
Exons	1756..1854, 1773..1853, 1821..2060, 1837..2094		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o3.tw	Method	TBLASTX:Wheat
Start	2833	End	3319
GI	none	Score	400
Exons	2833..3006, 2834..3319, 3028..3288		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o1.tw	Method	TBLASTX:Wheat
Start	3483	End	3946
GI	none	Score	109
Exons	3483..3704, 3484..3939, 3485..3946, 3485..3940		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o3.ts	Method	TBLASTX:Soybean
Start	3524	End	3889
GI	none	Score	117
Exons	3524..3748, 3755..3889		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o1.tm	Method	TBLASTX:Maize
Start	3614	End	3970
GI	none	Score	389
Exons	3614..3970, 3649..3960, 3854..3970		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o2.tm	Method	TBLASTX:Maize
Start	3997	End	4381
GI	none	Score	361
Exons	3997..4362, 3998..4381		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o2.tw	Method	TBLASTX:Wheat
Start	4054	End	4479
GI	none	Score	486
Exons	4054..4479, 4055..4477		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o1.ts	Method	TBLASTX:Soybean
Start	4133	End	4504
GI	none	Score	274
Exons	4133..4504, 4150..4293		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o5.tw	Method	TBLASTX:Wheat
Start	4937	End	5370
GI	none	Score	67
Exons	4937..5023, 5019..5186, 5020..5187, 5221..5370, 5230..5355, 5232..5369		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o2.ts	Method	TBLASTX:Soybean
Start	5059	End	5625
GI	5666795	Score	62
Exons	5059..5157, 5233..5370, 5425..5625		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o7.tw	Method	TBLASTX:Wheat
Start	5373	End	5685
GI	none	Score	192
Exons	5373..5549, 5425..5685		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o3.tm	Method	TBLASTX:Maize
Start	5878	End	6240
GI	none	Score	351
Exons	5878..6201, 5907..6188, 5998..6210, 6072..6221, 6193..6240		

Seq. No.	4443	Seq. ID	OJ990402_08.9922.C35
Gene No.	9276	Strand	+
Start	1553	End	6310
Name	OJ990402_08.9922.C35.o4.tw	Method	TBLASTX:Wheat
Start	5881	End	6270
GI	none	Score	351
Exons	5881..6270, 5904..6194		

Seq. No.	4444	Seq. ID	OJ990402_08.9922.C36
Gene No.	9277	Strand	+
Start	228	End	1932
Name	OJ990402_08.9922.C36.o1.np	Method	AAT/NAP
Start	228	End	1932
GI	5852180	Score	599
Exons	228..285, 1269..1386, 1438..1932		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4444	Seq. ID	OJ990402_08.9922.C36
Gene No.	9277	Strand	+
Start	228	End	1932
Name	OJ990402_08.9922.C36.o1.gs	Method	GENSCAN
Start	232	End	1085
GI	none	Score	.41
Exons	232..285, 384..535, 1009..1085		

Seq. No.	4444	Seq. ID	OJ990402_08.9922.C36
Gene No.	9278	Strand	-
Start	134	End	515
Name	OJ990402_08.9922.C36.o1.gp	Method	AAT/GAP
Start	134	End	515
GI	uC-osflcyp033a04b1	Score	671
Exons	134..515		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	4444	Seq. ID	OJ990402_08.9922.C36
Gene No.	9279	Strand	-
Start	1601	End	1803
Name	OJ990402_08.9922.C36.o2.gs	Method	GENSCAN
Start	1601	End	1803
GI	none	Score	.99
Exons	1601..1803		

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9280	Strand	+
Start	1	End	1123
Name	OJ990402_08.9922.C37.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	6498441	Score	1014
Exons	1..27, 323..745, 839..1120		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9280	Strand	+
Start	1	End	1123
Name	OJ990402_08.9922.C37.o1.gs	Method	GENSCAN
Start	363	End	1123
GI	none	Score	.53
Exons	363..1123		

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9281	Strand	-
Start	1747	End	5305
Name	OJ990402_08.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	503	End	3935
GI	none	Score	273
Exons	503..799, 547..792, 985..1107, 986..1111, 3852..3935		

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9281	Strand	-
Start	1747	End	5305
Name	OJ990402_08.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	979	End	1132
GI	none	Score	187
Exons	979..1119, 980..1132		

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9281	Strand	-
Start	1747	End	5305
Name	OJ990402_08.9922.C37.o2.gs	Method	GENSCAN
Start	1747	End	5305
GI	none	Score	.51
Exons	1747..2168, 2209..2290, 2566..3321, 3382..3604, 3708..3876, 3904..4436, 4481..4713, 4852..4988, 5221..5305		

Seq. No.	4445	Seq. ID	OJ990402_08.9922.C37
Gene No.	9281	Strand	-

Start	1747	End	5305
Name	OJ990402_08.9922.C37.o2.np	Method	AAT/NAP
Start	1750	End	4968
GI	6907089	Score	4199
Exons	1750..3604, 3708..4968		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9282	Strand	+
Start	3	End	816
Name	OJ990402_08.9922.C38.o1.gs	Method	GENSCAN
Start	3	End	816
GI	none	Score	.8
Exons	3..68, 266..436, 730..816		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9283	Strand	-
Start	969	End	1738
Name	OJ990402_08.9922.C38.o2.gp	Method	AAT/GAP
Start	969	End	1344
GI	89874_1.R1084	Score	696
Exons	969..1344		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9283	Strand	-
Start	969	End	1738
Name	OJ990402_08.9922.C38.o2.gs	Method	GENSCAN
Start	1115	End	1684
GI	none	Score	1
Exons	1115..1684		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9283	Strand	-
Start	969	End	1738
Name	OJ990402_08.9922.C38.o1.np	Method	AAT/NAP
Start	1139	End	1738
GI	3015486	Score	412
Exons	1139..1738		
GI Descrip.	(U58473) receptor-like protein kinase [Lycopersicon esculentum]		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9283	Strand	-
Start	969	End	1738
Name	OJ990402_08.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	1184	End	1700
GI	none	Score	299
Exons	1184..1324, 1307..1450, 1436..1699, 1461..1700		

Seq. No.	4446	Seq. ID	OJ990402_08.9922.C38
Gene No.	9283	Strand	-
Start	969	End	1738
Name	OJ990402_08.9922.C38.o1.ts	Method	TBLASTX:Soybean
Start	1460	End	1717
GI	none	Score	95

Exons	1460..1564, 1461..1562, 1580..1717, 1581..1598, 1647..1706		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9284	Strand	-
Start	1	End	1153
Name	OJ990402_08.9922.C39.o1.np	Method	AAT/NAP
Start	1	End	1153
GI	3047095	Score	472
Exons	1..108, 211..906, 1034..1153		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9284	Strand	-
Start	1	End	1153
Name	OJ990402_08.9922.C39.o1.gs	Method	GENSCAN
Start	8	End	940
GI	none	Score	1
Exons	8..940		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9284	Strand	-
Start	1	End	1153
Name	OJ990402_08.9922.C39.o1.gp	Method	AAT/GAP
Start	157	End	623
GI	3761696	Score	872
Exons	157..623		
GI Descrip.	3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9284	Strand	-
Start	1	End	1153
Name	OJ990402_08.9922.C39.o2.gp	Method	AAT/GAP
Start	717	End	1077
GI	73943_1.R1084	Score	640
Exons	717..1077		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9285	Strand	-
Start	1767	End	2476
Name	OJ990402_08.9922.C39.o1.tc	Method	TBLASTX:Cress
Start	242	End	802
GI	none	Score	44
Exons	242..487, 368..517, 515..658, 515..586, 584..649, 755..802		
Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9285	Strand	-
Start	1767	End	2476
Name	OJ990402_08.9922.C39.o1.ts	Method	TBLASTX:Soybean
Start	407	End	664
GI	none	Score	62
Exons	407..532, 420..536, 527..664, 528..632		

Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9285	Strand	-
Start	1767	End	2476
Name	OJ990402_08.9922.C39.o2.gs	Method	GENSCAN
Start	1767	End	2427
GI	none	Score	.97
Exons	1767..1897, 1981..2236, 2316..2427		

Seq. No.	4447	Seq. ID	OJ990402_08.9922.C39
Gene No.	9285	Strand	-
Start	1767	End	2476
Name	OJ990402_08.9922.C39.o2.np	Method	AAT/NAP
Start	2100	End	2476
GI	4803935	Score	224
Exons	2100..2236, 2316..2476		
GI Descrip.	(AC006264) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4448	Seq. ID	OJ990402_08.9922.C40
Gene No.	9286	Strand	-
Start	1	End	810
Name	OJ990402_08.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	810
GI	4803935	Score	250
Exons	1..552, 740..810		
GI Descrip.	(AC006264) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4448	Seq. ID	OJ990402_08.9922.C40
Gene No.	9286	Strand	-
Start	1	End	810
Name	OJ990402_08.9922.C40.o1.gp	Method	AAT/GAP
Start	354	End	570
GI	none	Score	426
Exons	354..570		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709
Name	OJ990402_08.9922.C41.o1.np	Method	AAT/NAP
Start	1	End	709
GI	3980417	Score	313
Exons	1..226, 488..709		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709
Name	OJ990402_08.9922.C41.o1.gp	Method	AAT/GAP
Start	55	End	662
GI	LIB3431-033-P1-K1-E1	Score	616
Exons	55..226, 488..662		
GI Descrip.	'3980412 1.0e-45 (AC004561) pumilio-like protein [Arabidopsis thaliana]'		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709

Name	OJ990402_08.9922.C41.o1.tm	Method	TBLASTX:Maize
Start	56	End	661
GI	none	Score	270
Exons	56..247, 56..226, 473..661, 479..643, 486..545, 488..550, 491..637, 491..550, 500..625		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709
Name	OJ990402_08.9922.C41.o1.ts	Method	TBLASTX:Soybean
Start	56	End	661
GI	none	Score	149
Exons	56..238, 484..528, 485..652, 487..651, 488..661, 491..649, 595..660		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709
Name	OJ990402_08.9922.C41.o1.gs	Method	GENSCAN
Start	104	End	602
GI	none	Score	.66
Exons	104..226, 488..602		

Seq. No.	4449	Seq. ID	OJ990402_08.9922.C41
Gene No.	9287	Strand	+
Start	1	End	709
Name	OJ990402_08.9922.C41.o1.tc	Method	TBLASTX:Cress
Start	483	End	661
GI	none	Score	65
Exons	483..521, 485..640, 487..528, 488..661, 589..660		

Seq. No.	4450	Seq. ID	OJ990402_08.9922.C42
Gene No.	9288	Strand	+
Start	1013	End	1119
Name	OJ990402_08.9922.C42.o1.gs	Method	GENSCAN
Start	1013	End	1119
GI	none	Score	.75
Exons	1013..1119		

Seq. No.	4450	Seq. ID	OJ990402_08.9922.C42
Gene No.	9289	Strand	-
Start	832	End	1175
Name	OJ990402_08.9922.C42.o1.gp	Method	AAT/GAP
Start	832	End	1175
GI	18766_1.R1084	Score	651
Exons	832..1175		
GI Descrip.	'2827528/emb|CAA16536.1| 4.0e-17 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	4451	Seq. ID	OJ990412_08.9923.C2
Gene No.	9290	Strand	-
Start	1	End	438
Name	OJ990412_08.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	258
GI	5295971	Score	92
Exons	1..258		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the		

predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	4451	Seq. ID	OJ990412_08.9923.C2
Gene No.	9290	Strand	-
Start	1	End	438
Name	OJ990412_08.9923.C2.o1.gs	Method	GENSCAN
Start	67	End	438
GI	none	Score	.63
Exons	67..438		

Seq. No.	4452	Seq. ID	OJ990412_08.9923.C3
Gene No.	9291	Strand	-
Start	377	End	766
Name	OJ990412_08.9923.C3.o1.gs	Method	GENSCAN
Start	377	End	766
GI	none	Score	.74
Exons	377..456, 700..766		

Seq. No.	4453	Seq. ID	OJ990412_08.9923.C4
Gene No.	9292	Strand	+
Start	8	End	320
Name	OJ990412_08.9923.C4.o1.gp	Method	AAT/GAP
Start	8	End	320
GI	569040	Score	590
Exons	8..320		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9293	Strand	+
Start	6023	End	7522
Name	OJ990412_08.9923.C5.o2.gs	Method	GENSCAN
Start	6023	End	7522
GI	none	Score	.88
Exons	6023..6089, 6333..6412, 7355..7522		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9294	Strand	+
Start	12706	End	18574
Name	OJ990412_08.9923.C5.o4.gs	Method	GENSCAN
Start	12706	End	18574
GI	none	Score	.75
Exons	12706..12740, 13098..13162, 14439..14645, 15809..15903, 15989..16096, 16502..16555, 16683..16808, 16903..16992, 17078..17197, 17285..17401, 17517..17636, 17901..18160, 18502..18574		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9294	Strand	+
Start	12706	End	18574
Name	OJ990412_08.9923.C5.o2.gp	Method	AAT/GAP
Start	14227	End	15243
GI	uC-osf1M202014g11b1	Score	902
Exons	14227..14645, 15174..15243		
GI Descrip.	'2632252/emb|CAA73067| 1.0e-44 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5

Gene No.	9294	Strand	+
Start	12706	End	18574
Name	OJ990412_08.9923.C5.o1.np	Method	AAT/NAP
Start	14457	End	18146
GI	6715641	Score	1214
Exons	14457..14645, 15174..15236, 15832..15903, 15989..16096, 16185..16265, 16502..16555, 16683..16812, 16901..16992, 17078..17197, 17294..17401, 17520..17636, 17726..17782, 17901..17987, 18072..18146		
GI Descrip.	(AC007323) T25K16.13 [Arabidopsis thaliana]		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9294	Strand	+
Start	12706	End	18574
Name	OJ990412_08.9923.C5.o3.gp	Method	AAT/GAP
Start	16202	End	17116
GI	2443084	Score	646
Exons	16202..16265, 16502..16555, 16683..16808, 16903..16992, 17078..17116		
GI Descrip.	2632252/emb|CAA73067| 1.0e-44 (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9294	Strand	+
Start	12706	End	18574
Name	OJ990412_08.9923.C5.o4.gp	Method	AAT/GAP
Start	17495	End	18361
GI	LIB3434-019-P1-K1-D7	Score	984
Exons	17495..17636, 17726..17782, 17901..17975, 18072..18361		
GI Descrip.	'2632252/emb|CAA73067| 9.0e-31 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9295	Strand	+
Start	19549	End	19626
Name	OJ990412_08.9923.C5.o2.np	Method	AAT/NAP
Start	19549	End	19626
GI	6630699	Score	87
Exons	19549..19626		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9296	Strand	+
Start	19762	End	20916
Name	OJ990412_08.9923.C5.o3.np	Method	AAT/NAP
Start	19762	End	20916
GI	6539570	Score	166
Exons	19762..19968, 20163..20224, 20899..20916		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9297	Strand	-
Start	9391	End	9756
Name	OJ990412_08.9923.C5.o3.gs	Method	GENSCAN
Start	9391	End	9756

GI	none	Score	.95
Exons	9391..9495, 9637..9756		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9298	Strand	-
Start	18796	End	19276
Name	OJ990412_08.9923.C5.o5.gs	Method	GENSCAN
Start	18796	End	19276
GI	none	Score	.65
Exons	18796..18892, 19143..19276		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	14309	End	15239
GI	none	Score	100
Exons	14309..14377, 14475..14660, 14529..14588, 14543..14659, 15171..15239, 15171..15239		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	14493	End	17398
GI	none	Score	207
Exons	14493..14648, 14546..14650, 15171..15239, 15829..15909, 15831..15905, 15992..16096, 16001..16096, 16182..16277, 16184..16267, 16496..16558, 16680..16811, 16682..16807, 16900..16992, 17078..17146, 17144..17194, 17300..17398		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o3.tw	Method	TBLASTX:Wheat
Start	14493	End	14660
GI	none	Score	178
Exons	14493..14660, 14543..14620		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o3.tc	Method	TBLASTX:Cress
Start	14493	End	15911
GI	none	Score	208
Exons	14493..14660, 14546..14650, 15171..15239, 15829..15909, 15831..15911		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o2.tw	Method	TBLASTX:Wheat
Start	15171	End	16232
GI	none	Score	86
Exons	15171..15239, 15829..15903, 15831..15908, 15989..16108, 16022..16108, 16185..16232		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	15810	End	17781
GI	none	Score	65
Exons	15810..15902, 15840..15902, 15841..15909, 15966..16094, 15988..16062, 15989..16144, 15990..16094, 15992..16096, 16182..16277, 16184..16261, 16188..16277, 16496..16558, 16501..16557, 16675..16809, 16675..16806, 16680..16811, 16682..16807, 16896..16991, 16900..16983, 17077..17199, 17078..17197, 17092..17199, 17285..17401, 17308..17397, 17499..17636, 17519..17638, 17520..17639, 17720..17779, 17723..17779, 17725..17781		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	16007	End	17122
GI	none	Score	130
Exons	16007..16096, 16182..16277, 16457..16558, 16680..16811, 16682..16789, 16900..16992, 17078..17122		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	17321	End	18172
GI	none	Score	117
Exons	17321..17401, 17329..17403, 17329..17397, 17330..17401, 17502..17636, 17518..17634, 17519..17635, 17522..17641, 17523..17639, 17720..17782, 17723..17791, 17725..17784, 17882..17971, 17896..17970, 17898..17975, 17899..17979, 17900..17974, 18015..18170, 18032..18172, 18074..18172		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	17516	End	17981
GI	none	Score	159
Exons	17516..17635, 17517..17639, 17720..17782, 17723..17791, 17728..17784, 17896..17931, 17898..17981, 17900..17968		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o2.tc	Method	TBLASTX:Cress
Start	17519	End	18116
GI	none	Score	101
Exons	17519..17635, 17544..17639, 17723..17791, 17728..17784, 17898..17975, 17900..17974, 18072..18116		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827

Name	OJ990412_08.9923.C5.o3.tm	Method	TBLASTX:Maize
Start	17894	End	18178
GI	none	Score	77
Exons	17894..17971, 17896..17970, 17898..17981, 17899..17982, 17900..17974, 18057..18170, 18069..18170, 18071..18178, 18071..18172		

Seq. No.	4454	Seq. ID	OJ990412_08.9923.C5
Gene No.	9299	Strand	-
Start	19762	End	20827
Name	OJ990412_08.9923.C5.o6.gs	Method	GENSCAN
Start	19762	End	20827
GI	none	Score	.9
Exons	19762..19876, 20802..20827		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9300	Strand	+
Start	70	End	6511
Name	OJ990412_08.9923.C6.o1.gs	Method	GENSCAN
Start	70	End	4696
GI	none	Score	.65
Exons	70..125, 498..656, 1672..1792, 2475..2598, 3221..3564, 3728..3894, 3979..4109, 4170..4696		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9300	Strand	+
Start	70	End	6511
Name	OJ990412_08.9923.C6.o1.np	Method	AAT/NAP
Start	513	End	6120
GI	5734747	Score	1741
Exons	513..656, 1543..1604, 1689..1792, 2475..2598, 3221..3564, 3671..5405, 5716..5960, 6052..6120		
GI Descrip.	(AC007651) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9300	Strand	+
Start	70	End	6511
Name	OJ990412_08.9923.C6.o1.gp	Method	AAT/GAP
Start	516	End	1790
GI	LIB3474-008-P1-K1-G7	Score	746
Exons	516..656, 1543..1790		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9300	Strand	+
Start	70	End	6511
Name	OJ990412_08.9923.C6.o2.gs	Method	GENSCAN
Start	4952	End	6111
GI	none	Score	.76
Exons	4952..5166, 5302..5393, 5716..5960, 6052..6111		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9300	Strand	+
Start	70	End	6511
Name	OJ990412_08.9923.C6.o2.gp	Method	AAT/GAP
Start	5798	End	6511

GI	57930_1.R1084	Score	1096
Exons	5798..5960, 6052..6511		
GI Descrip.	'5734747/gb|AAD50012.1|AC007651_7 5.0e-11 (AC007651) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o3.ts	Method	TBLASTX:Soybean
Start	1540	End	2588
GI	none	Score	125
Exons	1540..1797, 1540..1788, 1562..1801, 2472..2588, 2480..2584		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o5.tm	Method	TBLASTX:Maize
Start	1540	End	2598
GI	none	Score	99
Exons	1540..1632, 1540..1632, 1562..1648, 1630..1791, 1631..1801, 1637..1798, 2472..2594, 2474..2593, 2482..2598		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	3316	End	3976
GI	none	Score	354
Exons	3316..3564, 3319..3564, 3320..3568, 3667..3783, 3668..3784, 3671..3784, 3785..3976, 3789..3971, 3790..3972		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o3.tm	Method	TBLASTX:Maize
Start	4062	End	4536
GI	none	Score	549
Exons	4062..4391, 4064..4468, 4232..4465, 4433..4534, 4467..4535, 4504..4536		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o1.tc	Method	TBLASTX:Cress
Start	4130	End	4435
GI	none	Score	248
Exons	4130..4435, 4258..4344		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o2.ts	Method	TBLASTX:Soybean
Start	4130	End	4723
GI	none	Score	68
Exons	4130..4186, 4135..4185, 4232..4375, 4258..4344, 4382..4450, 4382..4450, 4502..4585, 4510..4530, 4595..4660, 4661..4723		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o2.tm	Method	TBLASTX:Maize
Start	4707	End	5308
GI	none	Score	113
Exons	4707..4832, 4708..4818, 4709..4837, 4709..4831, 4818..4892, 4823..5248, 4826..5248, 4965..5252, 5262..5306, 5264..5308		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o1.ts	Method	TBLASTX:Soybean
Start	4799	End	5248
GI	none	Score	255
Exons	4799..5116, 4799..5113, 5117..5218, 5146..5211, 5218..5247, 5219..5248		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o1.tw	Method	TBLASTX:Wheat
Start	4941	End	5391
GI	none	Score	201
Exons	4941..5186, 4945..5298, 4952..5371, 4975..5391		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o4.tm	Method	TBLASTX:Maize
Start	5694	End	6110
GI	none	Score	195
Exons	5694..5843, 5709..5831, 5747..5845, 5777..5845, 5817..5960, 5830..5883, 5846..5962, 5857..5976, 5865..5960, 5937..5993, 6049..6105, 6049..6102, 6051..6104, 6066..6110		

Seq. No.	4455	Seq. ID	OJ990412_08.9923.C6
Gene No.	9301	Strand	-
Start	7385	End	7744
Name	OJ990412_08.9923.C6.o3.gs	Method	GENSCAN
Start	7385	End	7744
GI	none	Score	.89
Exons	7385..7744		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	3525
GI	5295971	Score	2780
Exons	1..2608, 2636..3525		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-

Start	1	End	5387
Name	OJ990412_08.9923.C7.o5.tm	Method	TBLASTX:Maize
Start	26	End	5102
GI	none	Score	114
Exons	26..67, 64..309, 65..226, 67..309, 4842..5102, 4843..5022		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.gs	Method	GENSCAN
Start	37	End	5342
GI	none	Score	.4
Exons	37..3705, 3735..3751, 4145..5342		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	142	End	5384
GI	none	Score	40
Exons	142..360, 346..690, 428..535, 560..691, 4938..5156, 5142..5384		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	373	End	5381
GI	5509260	Score	173
Exons	373..897, 389..778, 5169..5381		
GI Descrip.	-		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o3.tc	Method	TBLASTX:Cress
Start	472	End	5381
GI	none	Score	89
Exons	472..732, 599..733, 5268..5381		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o3.tm	Method	TBLASTX:Maize
Start	511	End	5387
GI	none	Score	245
Exons	511..831, 512..772, 5307..5387, 5308..5379		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o3.ts	Method	TBLASTX:Soybean
Start	1213	End	1692
GI	none	Score	48
Exons	1213..1401, 1246..1692, 1397..1687		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-

Start	1	End	5387
Name	OJ990412_08.9923.C7.o2.tc	Method	TBLASTX:Cress
Start	1240	End	1677
GI	none	Score	246
Exons	1240..1677		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	1294	End	1723
GI	none	Score	46
Exons	1294..1365, 1378..1719, 1388..1456, 1435..1704, 1502..1723		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o4.tw	Method	TBLASTX:Wheat
Start	1366	End	1728
GI	none	Score	42
Exons	1366..1455, 1382..1456, 1465..1728, 1502..1711		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o4.ts	Method	TBLASTX:Soybean
Start	1786	End	2061
GI	none	Score	189
Exons	1786..2061, 1885..1965		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o2.tw	Method	TBLASTX:Wheat
Start	2011	End	2451
GI	none	Score	105
Exons	2011..2085, 2086..2451, 2171..2437		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o4.tm	Method	TBLASTX:Maize
Start	2064	End	2535
GI	none	Score	188
Exons	2064..2159, 2065..2220, 2066..2473, 2243..2464, 2254..2472, 2449..2535		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o7.tm	Method	TBLASTX:Maize
Start	2965	End	3292
GI	none	Score	82
Exons	2965..3291, 2966..3292		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-

Start	1	End	5387
Name	OJ990412_08.9923.C7.o5.tw	Method	TBLASTX:Wheat
Start	3016	End	3366
GI	none	Score	192
Exons	3016..3366		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o2.np	Method	AAT/NAP
Start	4113	End	5387
GI	6539558	Score	1366
Exons	4113..5387		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o2.ts	Method	TBLASTX:Soybean
Start	4137	End	4778
GI	none	Score	118
Exons	4137..4778, 4192..4569		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	4140	End	4800
GI	none	Score	83
Exons	4140..4358, 4240..4350, 4395..4508, 4506..4610, 4507..4569, 4617..4799, 4666..4800		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o6.tm	Method	TBLASTX:Maize
Start	4141	End	4377
GI	none	Score	139
Exons	4141..4377, 4143..4373		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o3.tw	Method	TBLASTX:Wheat
Start	4170	End	4619
GI	none	Score	45
Exons	4170..4349, 4177..4350, 4386..4619, 4387..4506		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	4389	End	4836
GI	none	Score	158
Exons	4389..4604, 4390..4566, 4409..4615, 4602..4835, 4627..4836, 4639..4830		

Seq. No.	4456	Seq. ID	OJ990412_08.9923.C7
Gene No.	9302	Strand	-
Start	1	End	5387
Name	OJ990412_08.9923.C7.o6.tw	Method	TBLASTX:Wheat
Start	4647	End	4928
GI	none	Score	62
Exons	4647..4799, 4824..4928		

Seq. No.	4457	Seq. ID	OJ990412_08.9923.C9
Gene No.	9303	Strand	+
Start	2057	End	3752
Name	OJ990412_08.9923.C9.o2.gs	Method	GENSCAN
Start	2057	End	3752
GI	none	Score	.78
Exons	2057..2098, 2732..2859, 3488..3752		

Seq. No.	4457	Seq. ID	OJ990412_08.9923.C9
Gene No.	9304	Strand	+
Start	6359	End	6824
Name	OJ990412_08.9923.C9.o3.gs	Method	GENSCAN
Start	6359	End	6824
GI	none	Score	..56
Exons	6359..6537, 6728..6824		

Seq. No.	4457	Seq. ID	OJ990412_08.9923.C9
Gene No.	9305	Strand	-
Start	74	End	403
Name	OJ990412_08.9923.C9.o1.gs	Method	GENSCAN
Start	74	End	403
GI	none	Score	.6
Exons	74..403		

Seq. No.	4457	Seq. ID	OJ990412_08.9923.C9
Gene No.	9306	Strand	-
Start	10043	End	10102
Name	OJ990412_08.9923.C9.o4.gs	Method	GENSCAN
Start	10043	End	10102
GI	none	Score	.79
Exons	10043..10102		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	635	End	899
GI	none	Score	186
Exons	635..895, 639..899		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	635	End	869
GI	none	Score	281
Exons	635..868, 636..869		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.tw	Method	TBLASTX:Wheat
Start	635	End	923
GI	none	Score	314
Exons	635..892, 636..923		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	635	End	925
GI	none	Score	326
Exons	635..925, 636..923		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.gp	Method	AAT/GAP
Start	638	End	1964
GI	1211_2.R1084	Score	702
Exons	638..923, 1753..1800, 1894..1964		
GI Descrip.	'5106775/gb|AAD39838.1|AF067732_1 2.0e-67 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	4458	Seq. ID	OJ990412_08.9923.C10
Gene No.	9307	Strand	-
Start	638	End	1964
Name	OJ990412_08.9923.C10.o1.np	Method	AAT/NAP
Start	638	End	946
GI	5106775	Score	400
Exons	638..946		
GI Descrip.	(AF067732) ribosomal protein S12 [Hordeum vulgare]		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9308	Strand	+
Start	2985	End	8150
Name	OJ990412_08.9923.C11.o2.gs	Method	GENSCAN
Start	2985	End	7446
GI	none	Score	.95
Exons	2985..3258, 4240..4403, 5225..5500, 5629..6473, 6581..6836, 7066..7446		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9308	Strand	+
Start	2985	End	8150
Name	OJ990412_08.9923.C11.o2.gp	Method	AAT/GAP
Start	4335	End	5812
GI	43717_1.R1084	Score	994
Exons	4335..4403, 5225..5500, 5629..5812		
GI Descrip.	'4982479/gb|AAD36947.1|AF069441_7 2.0e-19 (AF069441) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9308	Strand	+
Start	2985	End	8150

Name	OJ990412_08.9923.C11.o1.np	Method	AAT/NAP
Start	5200	End	8150
GI	2961357	Score	630
Exons	5200..5374, 5746..6473, 6581..6836, 7066..7310, 8101..8150		
GI Descrip.	(AL022140) putative protein [Arabidopsis thaliana]		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9308	Strand	+
Start	2985	End	8150
Name	OJ990412_08.9923.C11.o3.gp	Method	AAT/GAP
Start	6722	End	7786
GI	20787_1.R1084	Score	1610
Exons	6722..6836, 7066..7786		
GI Descrip.	'4263507/gb|AAD15333| 1.0e-12 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9309	Strand	-
Start	1274	End	1768
Name	OJ990412_08.9923.C11.o1.gs	Method	GENSCAN
Start	1274	End	1768
GI	none	Score	.54
Exons	1274..1471, 1649..1768		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9310	Strand	-
Start	2138	End	2680
Name	OJ990412_08.9923.C11.o1.gp	Method	AAT/GAP
Start	2138	End	2680
GI	none	Score	934
Exons	2138..2680		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9311	Strand	-
Start	7822	End	8028
Name	OJ990412_08.9923.C11.o2.tc	Method	TBLASTX:Cress
Start	5219	End	5966
GI	none	Score	329
Exons	5219..5503, 5225..5473, 5230..5502, 5626..5697, 5740..5964, 5745..5966		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9311	Strand	-
Start	7822	End	8028
Name	OJ990412_08.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	5223	End	7386
GI	none	Score	310
Exons	5223..5315, 5230..5373, 5237..5503, 5351..5494, 5413..5502, 5612..5710, 5625..5795, 5632..6399, 5632..5808, 5667..6398, 6187..6402, 6406..6474, 6417..6467, 6578..6817, 6579..6836, 6582..6836, 6722..6838, 7042..7386, 7107..7220		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9311	Strand	-
Start	7822	End	8028
Name	OJ990412_08.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	5306	End	7480

GI	none	Score	284
Exons	5306..5500, 5306..5500, 5307..5501, 5626..6138, 5626..5808, 5627..6109, 6130..6474, 6132..6473, 6169..6474, 6537..6839, 6557..6835, 6655..6846, 7063..7302, 7063..7302, 7073..7312, 7073..7312, 7235..7393, 7278..7445, 7286..7480, 7297..7446		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9311	Strand	-
Start	7822	End	8028
Name	OJ990412_08.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	6331	End	7107
GI	none	Score	67
Exons	6331..6399, 6406..6474, 6530..6835, 6531..6836, 7042..7107		

Seq. No.	4459	Seq. ID	OJ990412_08.9923.C11
Gene No.	9311	Strand	-
Start	7822	End	8028
Name	OJ990412_08.9923.C11.o3.gs	Method	GENSCAN
Start	7822	End	8028
GI	none	Score	.81
Exons	7822..8028		

Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9312	Strand	+
Start	190	End	8996
Name	OJ990412_08.9923.C12.o1.np	Method	AAT/NAP
Start	190	End	8996
GI	5262797	Score	1485
Exons	190..1928, 8934..8996		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	538	End	1686
GI	none	Score	109
Exons	538..738, 538..729, 742..828, 745..921, 822..1037, 838..1038, 847..1038, 850..1032, 931..1035, 1048..1167, 1054..1686, 1152..1403, 1467..1637		

Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	538	End	1362
GI	none	Score	117
Exons	538..729, 541..738, 627..731, 742..1038, 744..1037, 847..918, 850..1038, 916..1038, 1045..1152, 1048..1218, 1135..1257, 1149..1256, 1258..1362		

Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	538	End	1281
GI	none	Score	107

Exons	538..738, 627..734, 742..918, 808..1038, 822..929, 1060..1281, 1102..1218, 1149..1280		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o4.ts	Method	TBLASTX:Soybean
Start	742	End	1203
GI	none	Score	136
Exons	742..948, 958..1038, 1048..1119, 1048..1203		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	1216	End	1752
GI	none	Score	425
Exons	1216..1752, 1251..1637		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	1444	End	2016
GI	none	Score	468
Exons	1444..2016, 1446..1976, 1798..2016		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	1687	End	1983
GI	none	Score	332
Exons	1687..1983, 1687..1974, 1770..1979		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	1755	End	1986
GI	none	Score	270
Exons	1755..1976, 1756..1986		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	4533	End	4791
GI	none	Score	272
Exons	4533..4763, 4549..4791		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	4549	End	4791
GI	none	Score	78

Exons	4549..4623, 4626..4769, 4627..4791		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o3.tc	Method	TBLASTX:Cress
Start	4558	End	4791
GI	none	Score	255
Exons	4558..4791, 4614..4766		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	4581	End	4803
GI	none	Score	261
Exons	4581..4769, 4582..4803		
Seq. No.	4460	Seq. ID	OJ990412_08.9923.C12
Gene No.	9313	Strand	-
Start	7430	End	8427
Name	OJ990412_08.9923.C12.o2.gs	Method	GENSCAN
Start	7430	End	8427
GI	none	Score	.68
Exons	7430..7542, 8212..8427		
Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9314	Strand	+
Start	175	End	9501
Name	OJ990412_08.9923.C13.o1.np	Method	AAT/NAP
Start	175	End	3161
GI	3645898	Score	545
Exons	175..274, 1481..2436, 2464..2867, 2953..3161		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9314	Strand	+
Start	175	End	9501
Name	OJ990412_08.9923.C13.o2.gs	Method	GENSCAN
Start	1383	End	9501
GI	none	Score	.49
Exons	1383..2309, 2367..2893, 3029..3259, 3404..3524, 3562..4862, 5028..5301, 5320..5781, 5959..6075, 6256..6349, 7218..7438, 8092..9501		
Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9314	Strand	+
Start	175	End	9501
Name	OJ990412_08.9923.C13.o2.np	Method	AAT/NAP
Start	3634	End	6744
GI	6630685	Score	4558
Exons	3634..3705, 3996..6744		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13

Gene No.	9315	Strand	-
Start	619	End	1077
Name	OJ990412_08.9923.C13.o1.gs	Method	GENSCAN
Start	619	End	1077
GI	none	Score	.88
Exons	619..1077		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9316	Strand	
Start	1455	End	3900
Name	OJ990412_08.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	1455	End	1883
GI	none	Score	264
Exons	1455..1883, 1488..1583, 1490..1588		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9316	Strand	
Start	1455	End	3900
Name	OJ990412_08.9923.C13.o4.ts	Method	TBLASTX:Soybean
Start	1485	End	3714
GI	none	Score	70
Exons	1485..1592, 1596..1931, 3519..3560, 3571..3714		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9316	Strand	
Start	1455	End	3900
Name	OJ990412_08.9923.C13.o7.tm	Method	TBLASTX:Maize
Start	1641	End	2042
GI	none	Score	220
Exons	1641..2042, 1782..1892		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9316	Strand	
Start	1455	End	3900
Name	OJ990412_08.9923.C13.o6.tm	Method	TBLASTX:Maize
Start	3467	End	3807
GI	none	Score	103
Exons	3467..3541, 3468..3569, 3565..3807, 3570..3806		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9316	Strand	
Start	1455	End	3900
Name	OJ990412_08.9923.C13.o5.tw	Method	TBLASTX:Wheat
Start	3586	End	3900
GI	none	Score	224
Exons	3586..3900, 3591..3620, 3675..3800		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	
Start	3808	End	5076
Name	OJ990412_08.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	3808	End	4203
GI	none	Score	142
Exons	3808..3927, 3816..3923, 3930..4202, 3931..4203		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	

Start	3808	End	5076
Name	OJ990412_08.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	3967	End	4539
GI	none	Score	273
Exons	3967..4215, 3975..4199, 4226..4270, 4227..4250, 4254..4538, 4255..4539		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	
Start	3808	End	5076
Name	OJ990412_08.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	4204	End	5076
GI	none	Score	107
Exons	4204..4275, 4209..4949, 4276..5076, 4953..4994		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	
Start	3808	End	5076
Name	OJ990412_08.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	4384	End	4845
GI	none	Score	305
Exons	4384..4845, 4404..4694		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	
Start	3808	End	5076
Name	OJ990412_08.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	4420	End	4842
GI	none	Score	215
Exons	4420..4842		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9317	Strand	
Start	3808	End	5076
Name	OJ990412_08.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	4629	End	4971
GI	none	Score	117
Exons	4629..4703, 4630..4716, 4637..4705, 4705..4863, 4716..4862, 4759..4866, 4891..4971		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9318	Strand	
Start	5085	End	5955
Name	OJ990412_08.9923.C13.o5.tm	Method	TBLASTX:Maize
Start	5085	End	5402
GI	none	Score	454
Exons	5085..5402, 5086..5400		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9318	Strand	
Start	5085	End	5955
Name	OJ990412_08.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	5109	End	5717
GI	5509260	Score	223
Exons	5109..5324, 5110..5325, 5334..5717, 5335..5715		
GI Descrip.	-		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9318	Strand	
Start	5085	End	5955
Name	OJ990412_08.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	5235	End	5709
GI	none	Score	83
Exons	5235..5324, 5236..5325, 5319..5354, 5346..5495, 5354..5548, 5356..5703, 5358..5690, 5359..5709		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9318	Strand	
Start	5085	End	5955
Name	OJ990412_08.9923.C13.o3.tc	Method	TBLASTX:Cress
Start	5319	End	5598
GI	none	Score	204
Exons	5319..5564, 5320..5598		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9318	Strand	
Start	5085	End	5955
Name	OJ990412_08.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	5520	End	5955
GI	none	Score	621
Exons	5520..5954, 5521..5955		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9319	Strand	
Start	6070	End	6773
Name	OJ990412_08.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	6070	End	6773
GI	none	Score	991
Exons	6070..6765, 6078..6761, 6418..6762, 6561..6773, 6662..6763		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9319	Strand	
Start	6070	End	6773
Name	OJ990412_08.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	6088	End	6729
GI	none	Score	296
Exons	6088..6477, 6100..6471, 6312..6476, 6489..6602, 6496..6729		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9319	Strand	
Start	6070	End	6773
Name	OJ990412_08.9923.C13.o6.tw	Method	TBLASTX:Wheat
Start	6226	End	6693
GI	none	Score	122
Exons	6226..6486, 6381..6461, 6505..6693, 6511..6678		

Seq. No.	4461	Seq. ID	OJ990412_08.9923.C13
Gene No.	9319	Strand	
Start	6070	End	6773
Name	OJ990412_08.9923.C13.o2.tc	Method	TBLASTX:Cress
Start	6271	End	6726
GI	none	Score	62
Exons	6271..6357, 6361..6495, 6507..6674, 6514..6726		

Seq. No.	4462	Seq. ID	OJ990412_08.9923.C14
Gene No.	9320	Strand	+
Start	215	End	2400
Name	OJ990412_08.9923.C14.o1.gs	Method	GENSCAN
Start	215	End	2400
GI	none	Score	.72
Exons	215..511, 2015..2186, 2238..2301, 2348..2400		

Seq. No.	4462	Seq. ID	OJ990412_08.9923.C14
Gene No.	9321	Strand	+
Start	2990	End	4509
Name	OJ990412_08.9923.C14.o2.gs	Method	GENSCAN
Start	2990	End	4509
GI	none	Score	.88
Exons	2990..3150, 4395..4509		

Seq. No.	4462	Seq. ID	OJ990412_08.9923.C14
Gene No.	9322	Strand	+
Start	9167	End	10638
Name	OJ990412_08.9923.C14.o1.np	Method	AAT/NAP
Start	9167	End	10638
GI	6907086	Score	1333
Exons	9167..9924, 9982..10638		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4462	Seq. ID	OJ990412_08.9923.C14
Gene No.	9323	Strand	-
Start	7227	End	7731
Name	OJ990412_08.9923.C14.o1.gp	Method	AAT/GAP
Start	7227	End	7731
GI	38782_1.R1084	Score	814
Exons	7227..7731		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	4463	Seq. ID	OJ990412_08.9923.C15
Gene No.	9324	Strand	+
Start	932	End	1950
Name	OJ990412_08.9923.C15.o1.gs	Method	GENSCAN
Start	932	End	1950
GI	none	Score	.95
Exons	932..1026, 1830..1950		

Seq. No.	4463	Seq. ID	OJ990412_08.9923.C15
Gene No.	9325	Strand	-
Start	4210	End	4486
Name	OJ990412_08.9923.C15.o2.gs	Method	GENSCAN
Start	4210	End	4486
GI	none	Score	.71
Exons	4210..4486		

Seq. No.	4464	Seq. ID	OJ990412_08.9923.C16
Gene No.	9326	Strand	-
Start	178	End	406
Name	OJ990412_08.9923.C16.o1.gp	Method	AAT/GAP
Start	178	End	406
GI	1211_2.R1084	Score	344

Exons	178..406		
GI Descrip.	'5106775/gb|AAD39838.1|AF067732_1 2.0e-67 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.np	Method	AAT/NAP
Start	1716	End	3316
GI	4680203	Score	1896
Exons	1716..3316		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.gp	Method	AAT/GAP
Start	1722	End	3312
GI	342_1.R1084	Score	2407
Exons	1722..3312		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o2.ts	Method	TBLASTX:Soybean
Start	1820	End	2062
GI	none	Score	209
Exons	1820..2062		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	1892	End	2350
GI	none	Score	116
Exons	1892..2086, 2096..2350, 2096..2338		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.tw	Method	TBLASTX:Wheat
Start	1926	End	2395
GI	none	Score	164
Exons	1926..2132, 1926..2030, 1931..2134, 1931..2155, 2135..2233, 2136..2228, 2237..2341, 2241..2342, 2339..2395, 2343..2387		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	2183	End	2531
GI	none	Score	71
Exons	2183..2524, 2202..2321, 2379..2531		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17

Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	2264	End	2693
GI	none	Score	82
Exons	2264..2560, 2277..2528, 2555..2617, 2607..2693, 2618..2692		

Seq. No.	4465	Seq. ID	OJ990412_08.9923.C17
Gene No.	9327	Strand	-
Start	1716	End	3316
Name	OJ990412_08.9923.C17.o2.tw	Method	TBLASTX:Wheat
Start	2614	End	2991
GI	none	Score	179
Exons	2614..2874, 2624..2875, 2625..2867, 2858..2959, 2869..2970, 2872..2991		

Seq. No.	4466	Seq. ID	OJ990412_08.9923.C18
Gene No.	9328	Strand	+
Start	822	End	1856
Name	OJ990412_08.9923.C18.o1.gs	Method	GENSCAN
Start	822	End	1856
GI	none	Score	.42
Exons	822..1080, 1152..1331, 1772..1856		

Seq. No.	4466	Seq. ID	OJ990412_08.9923.C18
Gene No.	9329	Strand	+
Start	2740	End	3231
Name	OJ990412_08.9923.C18.o2.gs	Method	GENSCAN
Start	2740	End	3231
GI	none	Score	.9
Exons	2740..2944, 3014..3231		

Seq. No.	4466	Seq. ID	OJ990412_08.9923.C18
Gene No.	9330	Strand	-
Start	906	End	2150
Name	OJ990412_08.9923.C18.o1.np	Method	AAT/NAP
Start	906	End	2150
GI	4996648	Score	61
Exons	906..1017, 2046..2150		
GI Descrip.	(AB028133) Dof zinc finger protein [Oryza sativa]		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9331	Strand	+
Start	1186	End	1401
Name	OJ990412_08.9923.C19.o1.gs	Method	GENSCAN
Start	1186	End	1401
GI	none	Score	.55
Exons	1186..1266, 1297..1401		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9332	Strand	+
Start	3606	End	5495
Name	OJ990412_08.9923.C19.o2.gs	Method	GENSCAN
Start	3606	End	5495
GI	none	Score	.55
Exons	3606..3666, 5140..5495		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9333	Strand	+
Start	8878	End	9355
Name	OJ990412_08.9923.C19.o2.gp	Method	AAT/GAP
Start	8878	End	9355
GI	16447_1.R1084	Score	883
Exons	8878..9355		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9334	Strand	-
Start	7372	End	8054
Name	OJ990412_08.9923.C19.o1.gp	Method	AAT/GAP
Start	7119	End	8054
GI	718_3.R1084	Score	1307
Exons	7119..7614, 7733..7813, 7931..8054		
GI Descrip.	'548605/sp|P36886|PSAK_HORVU 6.0e-63 PHOTOSYSTEM I REACTION CENTRE SUBUNIT X PRECURSOR (LIGHT-HARVESTING COMPLEX I 7 KD PROTEIN) (PSI-K) >gi_539055_pir__A48527 photosystem I protein psaK precursor - barley >gi_304220 (L12707) photosystem I PSI-K subunit [Hordeum vulgare]'		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9334	Strand	-
Start	7372	End	8054
Name	OJ990412_08.9923.C19.o3.gs	Method	GENSCAN
Start	7372	End	7620
GI	none	Score	.8
Exons	7372..7620		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9334	Strand	-
Start	7372	End	8054
Name	OJ990412_08.9923.C19.o1.np	Method	AAT/NAP
Start	7375	End	8008
GI	548605	Score	540
Exons	7375..7614, 7733..7813, 7931..8008		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT X PRECURSOR (LIGHT-HARVESTING COMPLEX I 7 KD PROTEIN) (PSI-K) gi|539055|pir||A48527 photosystem I protein psaK precursor - barley gi|304220 (L12707) photosystem I PSI-K subunit [Hordeum vulgare]		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o2.tm	Method	TBLASTX:Maize
Start	7375	End	8033
GI	none	Score	245
Exons	7375..7614, 7448..7615, 7718..7786, 7719..7778, 7737..7790, 7775..7807, 7776..7808, 7922..7987, 7929..7979, 7986..8033		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o1.ts	Method	TBLASTX:Soybean

Start	7390	End	7813
GI	none	Score	213
Exons	7390..7614, 7451..7615, 7730..7813, 7737..7772		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	7390	End	7798
GI	none	Score	226
Exons	7390..7614, 7451..7615, 7730..7798		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o3.tm	Method	TBLASTX:Maize
Start	8928	End	10178
GI	none	Score	42
Exons	8928..8960, 8951..9016, 8973..9035, 9063..9086, 9063..9077, 9204..9377, 9205..9387, 9206..9382, 9220..9387, 9446..9658, 9486..9620, 9487..9633, 9735..9773, 9735..9773, 9739..9774, 9739..9774, 10112..10177, 10116..10178		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o2.tc	Method	TBLASTX:Cress
Start	9197	End	9608
GI	none	Score	135
Exons	9197..9388, 9203..9373, 9205..9387, 9446..9607, 9482..9607, 9486..9608		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o4.gs	Method	GENSCAN
Start	9205	End	12340
GI	none	Score	.92
Exons	9205..9381, 10118..10176, 10400..10531, 10677..10832, 11228..11409, 11499..11637, 11726..11799, 11929..12136, 12220..12340		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o2.np	Method	AAT/NAP
Start	9208	End	12341
GI	3132477	Score	1301
Exons	9208..9381, 9488..9619, 9739..9800, 10091..10176, 10400..10531, 10677..10832, 11228..11409, 11499..11680, 11724..11799, 11929..12136, 12220..12341		
GI Descrip.	(AC003096) unknown protein [Arabidopsis thaliana]		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o2.ts	Method	TBLASTX:Soybean

Start	9470	End	12343
GI	none	Score	97
Exons	9470..9610, 9471..9608, 9479..9610, 9733..9774, 10112..10177, 10116..10178, 10401..10547, 10402..10557, 10660..10812, 10661..10834, 10675..10842, 10769..10834, 11226..11333, 11227..11334, 12239..12343		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	10434	End	12367
GI	none	Score	88
Exons	10434..10517, 10463..10531, 10464..10547, 10661..10840, 10663..10851, 10675..10842, 11226..11408, 11227..11409, 11227..11409, 11228..11410, 11469..11642, 11498..11650, 11499..11645, 11707..11796, 11727..11810, 11730..11798, 11896..12138, 11930..12139, 11940..12143, 12085..12141, 12203..12367, 12206..12343, 12211..12348		

Seq. No.	4467	Seq. ID	OJ990412_08.9923.C19
Gene No.	9335	Strand	-
Start	9205	End	12367
Name	OJ990412_08.9923.C19.o3.gp	Method	AAT/GAP
Start	11577	End	12148
GI	428085	Score	612
Exons	11577..11637, 11726..11799, 11929..12148		
GI Descrip.	3132477 1.0e-24 (AC003096) unknown protein [Arabidopsis thaliana]		

Seq. No.	4468	Seq. ID	OJ990412_08.9923.C21
Gene No.	9336	Strand	-
Start	1	End	800
Name	OJ990412_08.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	313
GI	3645899	Score	352
Exons	1..313		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	4468	Seq. ID	OJ990412_08.9923.C21
Gene No.	9336	Strand	-
Start	1	End	800
Name	OJ990412_08.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	6	End	402
GI	none	Score	203
Exons	6..299, 8..304, 300..401, 328..402		

Seq. No.	4468	Seq. ID	OJ990412_08.9923.C21
Gene No.	9336	Strand	-
Start	1	End	800
Name	OJ990412_08.9923.C21.o1.tw	Method	TBLASTX:Wheat
Start	35	End	283
GI	none	Score	81
Exons	35..283, 69..194, 249..278		

Seq. No.	4468	Seq. ID	OJ990412_08.9923.C21
Gene No.	9336	Strand	-

Start	1	End	800
Name	OJ990412_08.9923.C21.o1.gs	Method	GENSCAN
Start	151	End	677
GI	none	Score	.55
Exons	151..307, 345..677		

Seq. No.	4468	Seq. ID	OJ990412_08.9923.C21
Gene No.	9336	Strand	-
Start	1	End	800
Name	OJ990412_08.9923.C21.o2.np	Method	AAT/NAP
Start	321	End	800
GI	4416301	Score	118
Exons	321..522, 765..800		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	4469	Seq. ID	OJ990412_08.9923.C22
Gene No.	9337	Strand	-
Start	173	End	315
Name	OJ990412_08.9923.C22.o1.gs	Method	GENSCAN
Start	173	End	315
GI	none	Score	.47
Exons	173..315		

Seq. No.	4470	Seq. ID	OJ990322_03.9917.C1
Gene No.	9338	Strand	+
Start	1	End	841
Name	OJ990322_03.9917.C1.o1.np	Method	AAT/NAP
Start	1	End	841
GI	6498441	Score	900
Exons	1..158, 222..595, 779..841		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4470	Seq. ID	OJ990322_03.9917.C1
Gene No.	9338	Strand	+
Start	1	End	841
Name	OJ990322_03.9917.C1.o1.gs	Method	GENSCAN
Start	30	End	778
GI	none	Score	.44
Exons	30..158, 222..595, 694..778		

Seq. No.	4470	Seq. ID	OJ990322_03.9917.C1
Gene No.	9338	Strand	+
Start	1	End	841
Name	OJ990322_03.9917.C1.o1.tw	Method	TBLASTX:Wheat
Start	230	End	692
GI	none	Score	588
Exons	230..691, 231..692		

Seq. No.	4470	Seq. ID	OJ990322_03.9917.C1
Gene No.	9338	Strand	+
Start	1	End	841
Name	OJ990322_03.9917.C1.o1.ts	Method	TBLASTX:Soybean
Start	270	End	635
GI	none	Score	117
Exons	270..494, 501..635		

Seq. No.	4470	Seq. ID	OJ990322_03.9917.C1
Gene No.	9338	Strand	+
Start	1	End	841
Name	OJ990322_03.9917.C1.o1.tm	Method	TBLASTX:Maize
Start	360	End	716
GI	none	Score	392
Exons	360..716, 395..706, 600..716		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9339	Strand	+
Start	6920	End	8394
Name	OJ990322_03.9917.C2.o2.gs	Method	GENSCAN
Start	6920	End	8394
GI	none	Score	.53
Exons	6920..7629, 8082..8394		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9339	Strand	+
Start	6920	End	8394
Name	OJ990322_03.9917.C2.o1.gp	Method	AAT/GAP
Start	8066	End	8341
GI	5701672	Score	461
Exons	8066..8341		
GI Descrip.	4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9340	Strand	+
Start	8801	End	14234
Name	OJ990322_03.9917.C2.o1.np	Method	AAT/NAP
Start	8801	End	12201
GI	6382535	Score	1385
Exons	8801..8863, 9580..11000, 11094..11222, 11316..11451, 11532..11620, 11717..11828, 11908..12014, 12111..12201		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9340	Strand	+
Start	8801	End	14234
Name	OJ990322_03.9917.C2.o2.gp	Method	AAT/GAP
Start	9246	End	9657
GI	uC-osrocyp003d03a1	Score	693
Exons	9246..9657		
GI Descrip.	'5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9340	Strand	+
Start	8801	End	14234
Name	OJ990322_03.9917.C2.o3.gs	Method	GENSCAN
Start	9586	End	14234
GI	none	Score	.56
Exons	9586..11000, 11094..11222, 11316..11451, 11532..11620, 11717..11828, 11908..12014, 12224..12280, 14204..14234		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2

Gene No.	9340	Strand	+
Start	8801	End	14234
Name	OJ990322_03.9917.C2.o3.gp	Method	AAT/GAP
Start	10610	End	11456
GI	4715805	Score	1245
Exons	10610..11000, 11094..11222, 11316..11456		
GI Descrip.	5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9340	Strand	+
Start	8801	End	14234
Name	OJ990322_03.9917.C2.o4.gp	Method	AAT/GAP
Start	12608	End	12932
GI	31827_1.R1084	Score	608
Exons	12608..12932		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9341	Strand	+
Start	15421	End	15871
Name	OJ990322_03.9917.C2.o5.gp	Method	AAT/GAP
Start	15421	End	15871
GI	4715481	Score	819
Exons	15421..15871		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9342	Strand	-
Start	121	End	5502
Name	OJ990322_03.9917.C2.o1.gs	Method	GENSCAN
Start	121	End	5502
GI	none	Score	.47
Exons	121..531, 732..872, 2135..2425, 2677..2879, 3030..3133, 5416..5502		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	331
GI	none	Score	126
Exons	2..118, 3..104, 104..331, 108..329		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o3.tm	Method	TBLASTX:Maize
Start	332	End	553
GI	none	Score	110
Exons	332..430, 336..428, 428..529, 431..553		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o1.tm	Method	TBLASTX:Maize
Start	10563	End	12593

GI	none	Score	384
Exons	10563..11000, 10563..11000, 10564..11001, 10564..11004, 11083..11223, 11091..11222, 11291..11428, 11298..11432, 11313..11450, 11314..11457, 11314..11451, 11529..11618, 11529..11579, 11531..11623, 11531..11623, 11718..11834, 11732..11824, 11905..12015, 11907..12014, 12108..12167, 12109..12180, 12169..12207, 12169..12228, 12327..12362, 12449..12493, 12453..12476, 12498..12593, 12511..12588, 12512..12589		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o1.ts	Method	TBLASTX:Soybean
Start	10585	End	12018
GI	none	Score	312
Exons	10585..10845, 10587..10808, 10741..10863, 10851..10991, 10855..11001, 11083..11223, 11086..11220, 11088..11222, 11313..11435, 11314..11424, 11324..11455, 11525..11617, 11529..11618, 11721..11834, 11729..11845, 11738..11833, 11905..11970, 11910..11969, 11974..12018, 11974..12018		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o2.tc	Method	TBLASTX:Cress
Start	10708	End	10907
GI	none	Score	289
Exons	10708..10905, 10710..10907		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o1.tw	Method	TBLASTX:Wheat
Start	10777	End	11367
GI	none	Score	139
Exons	10777..11001, 10861..11004, 11086..11157, 11089..11178, 11193..11219, 11194..11223, 11314..11367		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o1.tc	Method	TBLASTX:Cress
Start	10908	End	11618
GI	none	Score	138
Exons	10908..10976, 10909..11001, 11083..11223, 11088..11228, 11088..11222, 11294..11419, 11313..11438, 11314..11457, 11314..11451, 11529..11618, 11531..11617		

Seq. No.	4471	Seq. ID	OJ990322_03.9917.C2
Gene No.	9343	Strand	-
Start	15736	End	15815
Name	OJ990322_03.9917.C2.o4.gs	Method	GENSCAN
Start	15736	End	15815
GI	none	Score	.72
Exons	15736..15815		

Seq. No.	4472	Seq. ID	OJ990322_03.9917.C3
Gene No.	9344	Strand	+
Start	397	End	2935
Name	OJ990322_03.9917.C3.o1.gs	Method	GENSCAN
Start	397	End	2499
GI	none	Score	.96
Exons	397..2499		

Seq. No.	4472	Seq. ID	OJ990322_03.9917.C3
Gene No.	9344	Strand	+
Start	397	End	2935
Name	OJ990322_03.9917.C3.o1.np	Method	AAT/NAP
Start	400	End	2935
GI	6016874	Score	1010
Exons	400..472, 511..631, 696..936, 1327..1486, 1877..2056, 2162..2491, 2863..2935		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	4472	Seq. ID	OJ990322_03.9917.C3
Gene No.	9344	Strand	+
Start	397	End	2935
Name	OJ990322_03.9917.C3.o3.tm	Method	TBLASTX:Maize
Start	756	End	1017
GI	none	Score	64
Exons	756..956, 759..1010, 778..1017		

Seq. No.	4472	Seq. ID	OJ990322_03.9917.C3
Gene No.	9344	Strand	+
Start	397	End	2935
Name	OJ990322_03.9917.C3.o2.tm	Method	TBLASTX:Maize
Start	1019	End	1890
GI	none	Score	146
Exons	1019..1135, 1045..1275, 1294..1413, 1486..1590, 1624..1770, 1771..1890		

Seq. No.	4472	Seq. ID	OJ990322_03.9917.C3
Gene No.	9344	Strand	+
Start	397	End	2935
Name	OJ990322_03.9917.C3.o1.tm	Method	TBLASTX:Maize
Start	2199	End	2433
GI	none	Score	297
Exons	2199..2330, 2200..2433		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9345	Strand	+
Start	809	End	5857
Name	OJ990322_03.9917.C4.o1.gs	Method	GENSCAN
Start	809	End	5857
GI	none	Score	.82
Exons	809..837, 930..1057, 1154..1420, 2191..2307, 2467..2489, 2842..3051, 3787..3934, 4110..5098, 5750..5857		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9345	Strand	+
Start	809	End	5857

Name	OJ990322_03.9917.C4.o1.gp	Method	AAT/GAP
Start	1154	End	2577
GI	none	Score	1057
Exons	1154..1326, 1399..1420, 2224..2577		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9345	Strand	+
Start	809	End	5857
Name	OJ990322_03.9917.C4.o1.np	Method	AAT/NAP
Start	2162	End	5076
GI	2244816	Score	951
Exons	2162..2186, 3854..3979, 4095..5076		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o1.ts	Method	TBLASTX:Soybean
Start	3913	End	4882
GI	none	Score	108
Exons	3913..4041, 3920..4042, 4100..4246, 4102..4242, 4310..4480, 4322..4714, 4332..4490, 4381..4713, 4649..4801, 4663..4800, 4664..4795, 4808..4882		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o1.tm	Method	TBLASTX:Maize
Start	4331	End	4807
GI	none	Score	54
Exons	4331..4426, 4436..4552, 4480..4746, 4483..4737, 4484..4765, 4490..4765, 4700..4807		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o2.tm	Method	TBLASTX:Maize
Start	4831	End	5095
GI	none	Score	288
Exons	4831..4857, 4856..5095, 4858..5088, 4923..5090		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o3.ts	Method	TBLASTX:Soybean
Start	4961	End	5170
GI	none	Score	246
Exons	4961..5170, 4972..5169		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o2.np	Method	AAT/NAP
Start	5720	End	7851
GI	6330157	Score	554
Exons	5720..5783, 6848..7134, 7180..7851		
GI Descrip.	(AB032986) KIAA1160 protein [Homo sapiens]		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o4.tm	Method	TBLASTX:Maize
Start	6787	End	7184
GI	none	Score	36
Exons	6787..6816, 6817..6999, 6848..7009, 6856..6930, 6861..7010, 7126..7182, 7128..7184		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o3.tm	Method	TBLASTX:Maize
Start	7289	End	7480
GI	none	Score	70
Exons	7289..7480, 7295..7381, 7302..7478		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o2.ts	Method	TBLASTX:Soybean
Start	7451	End	7917
GI	none	Score	62
Exons	7451..7489, 7484..7564, 7506..7538, 7580..7795, 7740..7796, 7742..7810, 7864..7917		

Seq. No.	4473	Seq. ID	OJ990322_03.9917.C4
Gene No.	9346	Strand	-
Start	5720	End	7917
Name	OJ990322_03.9917.C4.o1.tc	Method	TBLASTX:Cress
Start	7484	End	7795
GI	none	Score	269
Exons	7484..7564, 7553..7795		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9347	Strand	+
Start	49	End	8190
Name	OJ990322_03.9917.C5.o1.gp	Method	AAT/GAP
Start	49	End	1013
GI	none	Score	953
Exons	49..377, 823..1013		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9347	Strand	+
Start	49	End	8190
Name	OJ990322_03.9917.C5.o1.gs	Method	GENSCAN
Start	65	End	8190
GI	none	Score	.44
Exons	65..377, 1543..1650, 3459..3533, 4475..4622, 6007..6125, 7162..7235, 7385..7623, 7625..7661, 7823..7869, 8115..8190		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9348	Strand	+
Start	8446	End	23219
Name	OJ990322_03.9917.C5.o2.gs	Method	GENSCAN
Start	8446	End	23219

GI	none	Score	.43
Exons	8446..8559, 8737..8801, 10597..10898, 10962..11086, 11336..11555, 12258..12332, 12803..12903, 15229..15298, 15310..15505, 18305..18380, 19332..19363, 20238..20387, 21020..21059, 22842..22989, 23191..23219		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9348	Strand	+
Start	8446	End	23219
Name	OJ990322_03.9917.C5.o2.np	Method	AAT/NAP
Start	12411	End	14398
GI	5852093	Score	64
Exons	12411..12673, 14286..14398		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9348	Strand	+
Start	8446	End	23219
Name	OJ990322_03.9917.C5.o2.gp	Method	AAT/GAP
Start	15119	End	18890
GI	12022_1.R1084	Score	1724
Exons	15119..15298, 16635..16712, 17347..17438, 17534..17614, 18113..18210, 18305..18380, 18553..18890		
GI Descrip.	'5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9349	Strand	-
Start	2569	End	5024
Name	OJ990322_03.9917.C5.o1.np	Method	AAT/NAP
Start	2569	End	5024
GI	4903139	Score	595
Exons	2569..2795, 3329..3369, 3466..3527, 4824..5024		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phophatidylethanolamine binding protein (PEBP) and hippocampal cholin...		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o1.tm	Method	TBLASTX:Maize
Start	2566	End	2808
GI	none	Score	338
Exons	2566..2802, 2567..2803, 2567..2803, 2584..2808		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o1.ts	Method	TBLASTX:Soybean
Start	2576	End	2799
GI	none	Score	194
Exons	2576..2779, 2578..2799, 2582..2797		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-

Start	14197	End	26846
Name	OJ990322_03.9917.C5.o2.tm	Method	TBLASTX:Maize
Start	3327	End	5028
GI	none	Score	64
Exons	3327..3377, 3465..3569, 4819..4893, 4821..5015, 4828..5028, 4829..5014, 4830..5015		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o2.ts	Method	TBLASTX:Soybean
Start	3330	End	5012
GI	none	Score	220
Exons	3330..3377, 3465..3536, 4818..5012		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o3.np	Method	AAT/NAP
Start	14197	End	26846
GI	6967109	Score	78
Exons	14197..14253, 26745..26846		
GI Descrip.	(AL138652) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o3.tm	Method	TBLASTX:Maize
Start	17345	End	17615
GI	none	Score	121
Exons	17345..17434, 17351..17428, 17534..17614, 17559..17615		

Seq. No.	4474	Seq. ID	OJ990322_03.9917.C5
Gene No.	9350	Strand	-
Start	14197	End	26846
Name	OJ990322_03.9917.C5.o3.gs	Method	GENSCAN
Start	25852	End	26714
GI	none	Score	.71
Exons	25852..26073, 26583..26714		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9351	Strand	-
Start	1	End	868
Name	OJ990322_03.9917.C6.o1.np	Method	AAT/NAP
Start	1	End	862
GI	5123941	Score	447
Exons	1..207, 287..715, 752..862		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9351	Strand	-
Start	1	End	868
Name	OJ990322_03.9917.C6.o1.gs	Method	GENSCAN
Start	8	End	868
GI	none	Score	.92
Exons	8..868		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	539
GI	none	Score	86
Exons	2..52, 302..538, 303..398, 489..539		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o2.tc	Method	TBLASTX:Cress
Start	302	End	542
GI	none	Score	131
Exons	302..538, 303..542		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o2.np	Method	AAT/NAP
Start	2795	End	3741
GI	3335351	Score	545
Exons	2795..3741		
GI Descrip.	(AC004512) Similar to ERECTA receptor protein kinase gb|D83257 from A. thaliana. ESTs gb|T41629 and gb|AA586072 come from this gene. [Arabidopsis thaliana] gi|6049566|gb|AAF02654.1| (AF177672) receptor-like protein CLAVATA2 [Arabidopsis thaliana]		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o1.ts	Method	TBLASTX:Soybean
Start	2804	End	3739
GI	none	Score	66
Exons	2804..2911, 3003..3077, 3005..3202, 3135..3173, 3194..3388, 3206..3352, 3207..3341, 3476..3607, 3548..3670, 3617..3730, 3629..3739		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o1.tc	Method	TBLASTX:Cress
Start	2996	End	3739
GI	none	Score	66
Exons	2996..3301, 3005..3112, 3047..3322, 3050..3181, 3056..3316, 3059..3214, 3062..3316, 3062..3307, 3074..3262, 3125..3370, 3131..3184, 3141..3305, 3146..3346, 3257..3316, 3431..3739, 3449..3700, 3449..3598, 3470..3739, 3473..3739, 3473..3724, 3476..3739, 3476..3670, 3476..3739, 3476..3721, 3477..3605, 3491..3670, 3548..3739, 3678..3728, 3683..3739		

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o1.tm	Method	TBLASTX:Maize
Start	2996	End	3739
GI	none	Score	78

Exons	2996..3175, 3062..3361, 3135..3317, 3200..3334, 3443..3514, 3470..3730, 3623..3739

Seq. No.	4475	Seq. ID	OJ990322_03.9917.C6
Gene No.	9352	Strand	-
Start	2795	End	3741
Name	OJ990322_03.9917.C6.o1.tw	Method	TBLASTX:Wheat
Start	3044	End	3730
GI	none	Score	67
Exons	3044..3361, 3135..3323, 3470..3730, 3476..3673		

Seq. No.	4476	Seq. ID	OJ990322_03.9917.C7
Gene No.	9353	Strand	-
Start	1	End	523
Name	OJ990322_03.9917.C7.o1.gp	Method	AAT/GAP
Start	1	End	177
GI	none	Score	334
Exons	1..177		

Seq. No.	4476	Seq. ID	OJ990322_03.9917.C7
Gene No.	9353	Strand	-
Start	1	End	523
Name	OJ990322_03.9917.C7.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6523547	Score	134
Exons	1..356, 433..523		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	4477	Seq. ID	OJ990322_03.9917.C8
Gene No.	9354	Strand	+
Start	1982	End	4285
Name	OJ990322_03.9917.C8.o2.np	Method	AAT/NAP
Start	1982	End	4285
GI	5042454	Score	2539
Exons	1982..2138, 2482..2582, 2638..4050, 4144..4285		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4477	Seq. ID	OJ990322_03.9917.C8
Gene No.	9355	Strand	-
Start	496	End	2579
Name	OJ990322_03.9917.C8.o1.np	Method	AAT/NAP
Start	496	End	2579
GI	5922623	Score	289
Exons	496..535, 1710..1785, 1953..2111, 2499..2579		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4477	Seq. ID	OJ990322_03.9917.C8
Gene No.	9356	Strand	
Start	3310	End	3702
Name	OJ990322_03.9917.C8.o1.tw	Method	TBLASTX:Wheat
Start	3310	End	3702
GI	none	Score	58
Exons	3310..3357, 3364..3462, 3381..3419, 3445..3702, 3462..3590		

Seq. No.	4477	Seq. ID	OJ990322_03.9917.C8
Gene No.	9356	Strand	
Start	3310	End	3702
Name	OJ990322_03.9917.C8.o1.tm	Method	TBLASTX:Maize
Start	3352	End	3600
GI	none	Score	193
Exons	3352..3600		

Seq. No.	4478	Seq. ID	OJ990322_03.9917.C9
Gene No.	9357	Strand	+
Start	1	End	617
Name	OJ990322_03.9917.C9.o1.np	Method	AAT/NAP
Start	1	End	617
GI	6498441	Score	375
Exons	1..242, 573..617		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4478	Seq. ID	OJ990322_03.9917.C9
Gene No.	9357	Strand	+
Start	1	End	617
Name	OJ990322_03.9917.C9.o1.gs	Method	GENSCAN
Start	73	End	480
GI	none	Score	.49
Exons	73..480		

Seq. No.	4478	Seq. ID	OJ990322_03.9917.C9
Gene No.	9357	Strand	+
Start	1	End	617
Name	OJ990322_03.9917.C9.o1.tw	Method	TBLASTX:Wheat
Start	332	End	594
GI	none	Score	190
Exons	332..592, 436..594		

Seq. No.	4479	Seq. ID	OJ990412_04.9923.C1
Gene No.	9358	Strand	+
Start	1	End	906
Name	OJ990412_04.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	906
GI	6721520	Score	374
Exons	1..137, 665..906		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	4479	Seq. ID	OJ990412_04.9923.C1
Gene No.	9358	Strand	+
Start	1	End	906
Name	OJ990412_04.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	817
GI	none	Score	196
Exons	1..135, 3..134, 4..135, 662..691, 666..695, 743..817, 743..817		

Seq. No.	4479	Seq. ID	OJ990412_04.9923.C1
Gene No.	9358	Strand	+
Start	1	End	906

Name	OJ990412_04.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	3	End	897
GI	none	Score	194
Exons	3..134, 4..153, 663..689, 746..829, 798..845, 831..896, 832..897		

Seq. No.	4479	Seq. ID	OJ990412_04.9923.C1
Gene No.	9358	Strand	+
Start	1	End	906
Name	OJ990412_04.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	4	End	826
GI	none	Score	186
Exons	4..138, 9..134, 734..826		

Seq. No.	4479	Seq. ID	OJ990412_04.9923.C1
Gene No.	9358	Strand	+
Start	1	End	906
Name	OJ990412_04.9923.C1.o1.gs	Method	GENSCAN
Start	84	End	804
GI	none	Score	.77
Exons	84..137, 665..804		

Seq. No.	4480	Seq. ID	OJ990412_04.9923.C2
Gene No.	9359	Strand	-
Start	336	End	421
Name	OJ990412_04.9923.C2.o1.gs	Method	GENSCAN
Start	336	End	421
GI	none	Score	.68
Exons	336..421		

Seq. No.	4481	Seq. ID	OJ990412_04.9923.C3
Gene No.	9360	Strand	-
Start	392	End	664
Name	OJ990412_04.9923.C3.o1.np	Method	AAT/NAP
Start	392	End	664
GI	1350747	Score	114
Exons	392..482, 600..664		
GI Descrip.	60S RIBOSOMAL PROTEIN L40 (CEP52)		

Seq. No.	4481	Seq. ID	OJ990412_04.9923.C3
Gene No.	9360	Strand	-
Start	392	End	664
Name	OJ990412_04.9923.C3.o1.gs	Method	GENSCAN
Start	416	End	482
GI	none	Score	.48
Exons	416..482		

Seq. No.	4482	Seq. ID	OJ990412_04.9923.C4
Gene No.	9361	Strand	+
Start	3	End	431
Name	OJ990412_04.9923.C4.o1.gs	Method	GENSCAN
Start	3	End	431
GI	none	Score	.82
Exons	3..431		

Seq. No.	4483	Seq. ID	OJ990412_04.9923.C6
Gene No.	9362	Strand	+
Start	64	End	483

Name	OJ990412_04.9923.C6.o1.gp	Method	AAT/GAP
Start	64	End	483
GI	none	Score	810
Exons	64..483		

Seq. No.	4483	Seq. ID	OJ990412_04.9923.C6
Gene No.	9363	Strand	-
Start	305	End	633
Name	OJ990412_04.9923.C6.o1.gs	Method	GENSCAN
Start	305	End	633
GI	none	Score	.94
Exons	305..481, 574..633		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.np	Method	AAT/NAP
Start	50	End	472
GI	3128177	Score	342
Exons	50..472		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.gs	Method	GENSCAN
Start	59	End	472
GI	none	Score	1
Exons	59..472		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	77	End	476
GI	none	Score	139
Exons	77..268, 99..230, 287..472, 294..476		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	110	End	472
GI	none	Score	94
Exons	110..268, 111..230, 287..472, 294..467		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.gp	Method	AAT/GAP
Start	132	End	521
GI	59652_1.R1084	Score	742
Exons	132..521		
GI Descrip.	'3128177 1.0e-26 (AC004521) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7

Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	191	End	484
GI	none	Score	251
Exons	191..484; 192..476		

Seq. No.	4484	Seq. ID	OJ990412_04.9923.C7
Gene No.	9364	Strand	-
Start	50	End	521
Name	OJ990412_04.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	300	End	476
GI	none	Score	199
Exons	300..476, 302..472		

Seq. No.	4485	Seq. ID	OJ990412_04.9923.C8
Gene No.	9365	Strand	+
Start	1	End	471
Name	OJ990412_04.9923.C8.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6907088	Score	164
Exons	1..87, 225..471		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4486	Seq. ID	OJ990412_04.9923.C9
Gene No.	9366	Strand	+
Start	176	End	249
Name	OJ990412_04.9923.C9.o1.gs	Method	GENSCAN
Start	176	End	249
GI	none	Score	1
Exons	176..249		

Seq. No.	4487	Seq. ID	OJ990412_04.9923.C10
Gene No.	9367	Strand	+
Start	205	End	321
Name	OJ990412_04.9923.C10.o1.gs	Method	GENSCAN
Start	205	End	321
GI	none	Score	.96
Exons	205..321		

Seq. No.	4488	Seq. ID	OJ990412_04.9923.C12
Gene No.	9368	Strand	+
Start	159	End	206
Name	OJ990412_04.9923.C12.o1.gs	Method	GENSCAN
Start	159	End	206
GI	none	Score	.58
Exons	159..206		

Seq. No.	4489	Seq. ID	OJ990412_04.9923.C13
Gene No.	9369	Strand	+
Start	20	End	402
Name	OJ990412_04.9923.C13.o1.gs	Method	GENSCAN
Start	20	End	402
GI	none	Score	.6
Exons	20..328, 330..402		

Seq. No.	4489	Seq. ID	OJ990412_04.9923.C13

Gene No.	9370	Strand	-
Start	10	End	425
Name	OJ990412_04.9923.C13.o1.np	Method	AAT/NAP
Start	10	End	407
GI	4115536	Score	216
Exons	10..407		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	4489	Seq. ID	OJ990412_04.9923.C13
Gene No.	9370	Strand	-
Start	10	End	425
Name	OJ990412_04.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	22	End	425
GI	none	Score	96
Exons	22..225, 23..226, 236..352, 239..340, 351..425		

Seq. No.	4489	Seq. ID	OJ990412_04.9923.C13
Gene No.	9370	Strand	-
Start	10	End	425
Name	OJ990412_04.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	28	End	425
GI	none	Score	53
Exons	28..186, 47..154, 245..340, 249..341, 351..425		

Seq. No.	4490	Seq. ID	OJ990412_04.9923.C14
Gene No.	9371	Strand	-
Start	888	End	1031
Name	OJ990412_04.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	853	End	1031
GI	none	Score	213
Exons	853..1029, 879..1031, 885..1031		

Seq. No.	4490	Seq. ID	OJ990412_04.9923.C14
Gene No.	9371	Strand	-
Start	888	End	1031
Name	OJ990412_04.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	863	End	1031
GI	none	Score	61
Exons	863..961, 876..1031, 879..965, 880..1026		

Seq. No.	4490	Seq. ID	OJ990412_04.9923.C14
Gene No.	9371	Strand	-
Start	888	End	1031
Name	OJ990412_04.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	885	End	1031
GI	none	Score	192
Exons	885..1031, 892..1029		

Seq. No.	4490	Seq. ID	OJ990412_04.9923.C14
Gene No.	9371	Strand	-
Start	888	End	1031
Name	OJ990412_04.9923.C14.o1.gp	Method	AAT/GAP
Start	888	End	1031
GI	438_2.R1084	Score	271
Exons	888..1031		
GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum		

aestivum]'

Seq. No.	4490	Seq. ID	OJ990412_04.9923.C14
Gene No.	9371	Strand	-
Start	888	End	1031
Name	OJ990412_04.9923.C14.o1.np	Method	AAT/NAP
Start	888	End	1031
GI	417154	Score	219
Exons	888..1031		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9372	Strand	+
Start	144	End	608
Name	OJ990412_04.9923.C15.o1.gs	Method	GENSCAN
Start	144	End	608
GI	none	Score	.47
Exons	144..393, 439..608		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9373	Strand	+
Start	1456	End	1846
Name	OJ990412_04.9923.C15.o2.gs	Method	GENSCAN
Start	1456	End	1846
GI	none	Score	.65
Exons	1456..1644, 1658..1846		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9374	Strand	-
Start	1	End	527
Name	OJ990412_04.9923.C15.o1.np	Method	AAT/NAP
Start	1	End	413
GI	417154	Score	173
Exons	1..59, 284..413		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9374	Strand	-
Start	1	End	527
Name	OJ990412_04.9923.C15.o1.gp	Method	AAT/GAP
Start	284	End	527
GI	438_2.R1084	Score	360
Exons	284..527		
GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9375	Strand	-
Start	2720	End	8124
Name	OJ990412_04.9923.C15.o3.gs	Method	GENSCAN
Start	2720	End	6562
GI	none	Score	.65
Exons	2720..2739, 2863..2960, 3776..3930, 4062..4171, 4255..4352,		

4772..4869, 6482..6562

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9375	Strand	-
Start	2720	End	8124
Name	OJ990412_04.9923.C15.o3.np	Method	AAT/NAP
Start	2876	End	8124
GI	4585981	Score	674
Exons	2876..2906, 3191..3316, 3870..3930, 4053..4171, 4255..4352, 4647..4703, 4772..4876, 4983..5047, 5916..6018, 6189..6259, 6411..6550, 6576..6734, 6828..7034, 7106..7335, 8068..8124		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9375	Strand	-
Start	2720	End	8124
Name	OJ990412_04.9923.C15.o2.gp	Method	AAT/GAP
Start	6672	End	7183
GI	uC-osf1M202053d07b1	Score	341
Exons	6672..6734, 6826..6911, 7014..7038, 7118..7183		
GI Descrip.	'4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]'		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9375	Strand	-
Start	2720	End	8124
Name	OJ990412_04.9923.C15.o3.gp	Method	AAT/GAP
Start	6853	End	7348
GI	uC-osf1M202053d07b1	Score	302
Exons	6853..6911, 7014..7038, 7118..7177, 7284..7348		
GI Descrip.	'4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]'		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9375	Strand	-
Start	2720	End	8124
Name	OJ990412_04.9923.C15.o4.gs	Method	GENSCAN
Start	7933	End	8049
GI	none	Score	.86
Exons	7933..8049		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	286	End	417
GI	none	Score	134
Exons	286..414, 288..374, 288..416, 289..417		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o3.tm	Method	TBLASTX:Maize
Start	286	End	527
GI	none	Score	114
Exons	286..414, 288..374, 288..416, 289..417, 459..527		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	286	End	493
GI	none	Score	108
Exons	286..405, 288..374, 288..407, 289..405, 416..493		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o2.tc	Method	TBLASTX:Cress
Start	288	End	419
GI	none	Score	131
Exons	288..419, 289..405		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	2882	End	5176
GI	none	Score	86
Exons	2882..2989, 3844..3936, 3872..3931, 4059..4172, 4059..4172, 4060..4173, 4250..4354, 4254..4355, 4624..4701, 4625..4702, 4625..4702, 4771..4881, 4982..5047, 4984..5046, 5123..5176, 5125..5175		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	4277	End	6911
GI	none	Score	65
Exons	4277..4354, 4625..4690, 4625..4687, 4771..4869, 4772..4870, 4982..5047, 4984..5046, 5123..5182, 5125..5175, 6187..6297, 6188..6286, 6467..6547, 6483..6545, 6483..6551, 6484..6552, 6621..6728, 6622..6639, 6623..6733, 6825..6911, 6826..6909		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	6364	End	7071
GI	none	Score	36
Exons	6364..6402, 6467..6547, 6480..6545, 6480..6551, 6612..6728, 6621..6728, 6622..6729, 6623..6733, 6623..6733, 6825..6911, 6826..6912, 7011..7061, 7014..7070, 7015..7071		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o1.tc	Method	TBLASTX:Cress
Start	6467	End	7331
GI	none	Score	73
Exons	6467..6547, 6473..6553, 6483..6566, 6621..6734, 6623..6733, 6823..6909, 6825..6911, 7014..7037, 7120..7179, 7284..7331		

Seq. No.	4491	Seq. ID	OJ990412_04.9923.C15
Gene No.	9376	Strand	-
Start	8064	End	8124
Name	OJ990412_04.9923.C15.o5.gp	Method	AAT/GAP
Start	8064	End	8124
GI	uC-osf1M202053d07b1	Score	102
Exons	8064..8124		
GI Descrip.	'4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]'		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9377	Strand	+
Start	1725	End	5400
Name	OJ990412_04.9923.C16.o1.np	Method	AAT/NAP
Start	1725	End	4790
GI	4966347	Score	846
Exons	1725..2275, 2372..2658, 3347..3427, 3589..4790		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9377	Strand	+
Start	1725	End	5400
Name	OJ990412_04.9923.C16.o1.gs	Method	GENSCAN
Start	1782	End	5400
GI	none	Score	.66
Exons	1782..2658, 3347..3433, 3592..4505, 5308..5400		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9377	Strand	+
Start	1725	End	5400
Name	OJ990412_04.9923.C16.o1.gp	Method	AAT/GAP
Start	4184	End	4648
GI	LIB3432-015-P1-K1-G6	Score	870
Exons	4184..4648		
GI Descrip.	'4826399/emb|CAB42872.1| 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	1821	End	4625
GI	none	Score	80
Exons	1821..1892, 2595..2657, 3672..3743, 3761..4063, 3774..4073, 3872..4063, 4092..4424, 4097..4315, 4176..4424, 4515..4625		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	3675	End	4478
GI	none	Score	57
Exons	3675..3743, 3774..3926, 3905..4069, 3915..4091, 4092..4478, 4097..4252, 4098..4409		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	3681	End	4619
GI	none	Score	53
Exons	3681..3743, 3774..4079, 3869..4057, 4095..4421, 4100..4315, 4164..4421, 4506..4619		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	3730	End	4147
GI	none	Score	426
Exons	3730..3900, 3759..4085, 3884..4057, 3922..4080, 4097..4147		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o3.tw	Method	TBLASTX:Wheat
Start	4149	End	4415
GI	none	Score	116
Exons	4149..4268, 4275..4412, 4281..4415		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.gs	Method	GENSCAN
Start	8327	End	12230
GI	none	Score	.97
Exons	8327..8499, 9262..9372, 9595..10472, 11067..11312, 11434..11537, 11696..12230		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.np	Method	AAT/NAP
Start	9569	End	12406
GI	6721520	Score	1202
Exons	9569..10472, 11067..11309, 11434..11537, 11696..12243, 12372..12406		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o3.tm	Method	TBLASTX:Maize
Start	9570	End	10060
GI	none	Score	136
Exons	9570..9662, 9575..9658, 9648..9752, 9671..9841, 9848..9910, 9849..9893, 9920..10060, 10031..10048		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-

Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.ts	Method	TBLASTX:Soybean
Start	9573	End	12232
GI	none	Score	75
Exons	9573..9641, 9575..9646, 9671..9823, 9672..9752, 9839..9901, 9858..9893, 9926..10186, 10071..10283, 10244..10282, 10301..10432, 10302..10427, 11063..11350, 11433..11537, 11711..11842, 11712..11843, 11813..11998, 11814..11999, 11999..12151, 12084..12149, 12206..12232		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.tc	Method	TBLASTX:Cress
Start	9575	End	12232
GI	none	Score	110
Exons	9575..9634, 9953..10108, 10127..10186, 10244..10294, 10314..10427, 10316..10426, 11135..11308, 11681..11899, 11718..11888, 11921..12157, 12087..12170, 12188..12232		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.tw	Method	TBLASTX:Wheat
Start	9692	End	10060
GI	none	Score	95
Exons	9692..9841, 9692..9841, 9845..9901, 9849..9893, 9950..10060, 9960..10007, 10031..10048		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o4.tm	Method	TBLASTX:Maize
Start	10106	End	10424
GI	none	Score	71
Exons	10106..10186, 10149..10271, 10185..10271, 10316..10423, 10317..10424		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.gp	Method	AAT/GAP
Start	10214	End	11196
GI	5607470	Score	758
Exons	10214..10472, 11067..11196		
GI Descrip.	1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o4.tw	Method	TBLASTX:Wheat
Start	11255	End	12004
GI	none	Score	124
Exons	11255..11308, 11705..11902, 11718..11903, 11888..12004, 11922..12002		

Seq. No.	4492	Seq. ID	OJ990412_04.9923.C16
Gene No.	9378	Strand	-
Start	8327	End	12406
Name	OJ990412_04.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	11706	End	12184
GI	none	Score	357
Exons	11706..12035, 11708..12184, 12081..12176		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9379	Strand	+
Start	3697	End	4116
Name	OJ990412_04.9923.C17.o2.gs	Method	GENSCAN
Start	3697	End	4116
GI	none	Score	.55
Exons	3697..4116		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9380	Strand	+
Start	13631	End	14123
Name	OJ990412_04.9923.C17.o5.gs	Method	GENSCAN
Start	13631	End	14123
GI	none	Score	.99
Exons	13631..13725, 13922..13957, 14018..14123		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9381	Strand	-
Start	264	End	2477
Name	OJ990412_04.9923.C17.o1.gs	Method	GENSCAN
Start	264	End	2402
GI	none	Score	.8
Exons	264..270, 460..891, 2191..2402		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9381	Strand	-
Start	264	End	2477
Name	OJ990412_04.9923.C17.o1.gp	Method	AAT/GAP
Start	811	End	2477
GI	5607469	Score	700
Exons	811..891, 2191..2477		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9382	Strand	-
Start	3877	End	7806
Name	OJ990412_04.9923.C17.o1.np	Method	AAT/NAP
Start	3877	End	7729
GI	4587599	Score	781
Exons	3877..3898, 5334..5420, 6059..6172, 6243..6338, 6462..6532, 6610..6772, 7343..7729		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9382	Strand	-
Start	3877	End	7806
Name	OJ990412_04.9923.C17.o2.gp	Method	AAT/GAP
Start	4735	End	6296
GI	12582_1.R1084	Score	1052
Exons	4735..5040, 5141..5215, 5352..5420, 6059..6172, 6243..6296		

GI Descrip. '1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9382	Strand	-
Start	3877	End	7806
Name	OJ990412_04.9923.C17.o3.gs	Method	GENSCAN
Start	4951	End	7762
GI	none	Score	.86
Exons	4951..5040, 5141..5215, 5352..5420, 6059..6172, 6243..6338, 7343..7762		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9382	Strand	-
Start	3877	End	7806
Name	OJ990412_04.9923.C17.o3.gp	Method	AAT/GAP
Start	7357	End	7806
GI	2800165	Score	747
Exons	7357..7806		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9383	Strand	-
Start	8133	End	8561
Name	OJ990412_04.9923.C17.o4.gp	Method	AAT/GAP
Start	8133	End	8561
GI	4715863	Score	831
Exons	8133..8561		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9384	Strand	-
Start	8520	End	12585
Name	OJ990412_04.9923.C17.o4.gs	Method	GENSCAN
Start	8520	End	12585
GI	none	Score	.79
Exons	8520..8711, 9065..9190, 9530..9778, 10354..10708, 11361..11500, 12181..12585		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9384	Strand	-
Start	8520	End	12585
Name	OJ990412_04.9923.C17.o5.gp	Method	AAT/GAP
Start	10142	End	10246
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	10142..10246		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9384	Strand	-
Start	8520	End	12585
Name	OJ990412_04.9923.C17.o6.gp	Method	AAT/GAP
Start	10326	End	11475
GI	none	Score	836
Exons	10326..10708, 11361..11475		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17

Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	444	End	792
GI	none	Score	121
Exons	444..599, 463..600, 672..791,	694..792	

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	444	End	878
GI	none	Score	132
Exons	444..599, 463..600, 687..878,	688..855	

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o2.tm	Method	TBLASTX:Maize
Start	459	End	875
GI	none	Score	108
Exons	459..599, 462..593, 463..600,	681..875	

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	6044	End	6503
GI	none	Score	62
Exons	6044..6097, 6044..6103, 6102..6173, 6107..6175, 6108..6173, 6237..6350, 6242..6352, 6244..6339, 6453..6503, 6462..6503		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o2.ts	Method	TBLASTX:Soybean
Start	6723	End	7579
GI	none	Score	65
Exons	6723..6773, 6725..6772, 7323..7523, 7343..7579		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o5.tm	Method	TBLASTX:Maize
Start	7323	End	7510
GI	none	Score	155
Exons	7323..7502, 7343..7504, 7382..7510		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o3.ts	Method	TBLASTX:Soybean
Start	8529	End	10425
GI	none	Score	64
Exons	8529..8714, 8554..8676, 9065..9154, 9525..9767, 9526..9609, 9527..9760, 10357..10425		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o3.tm	Method	TBLASTX:Maize
Start	8550	End	8715
GI	none	Score	176
Exons	8550..8714, 8550..8714, 8551..8715, 8551..8715		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o2.tc	Method	TBLASTX:Cress
Start	10492	End	11513
GI	none	Score	142
Exons	10492..10716, 10493..10684, 11354..11512, 11355..11513		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o4.ts	Method	TBLASTX:Soybean
Start	11366	End	12498
GI	none	Score	184
Exons	11366..11503, 12172..12498		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o4.tm	Method	TBLASTX:Maize
Start	12310	End	12508
GI	none	Score	180
Exons	12310..12501, 12311..12508		

Seq. No.	4493	Seq. ID	OJ990412_04.9923.C17
Gene No.	9385	Strand	-
Start	15506	End	15688
Name	OJ990412_04.9923.C17.o6.gs	Method	GENSCAN
Start	15506	End	15688
GI	none	Score	.86
Exons	15506..15688		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9386	Strand	+
Start	1	End	3790
Name	OJ990412_04.9923.C18.o1.gp	Method	AAT/GAP
Start	1	End	3483
GI	18310_1.R1084	Score	1196
Exons	1..27, 124..189, 598..666, 812..893, 1374..1444, 2048..2149, 2239..2328, 2968..3042, 3138..3170, 3245..3325, 3462..3483		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9386	Strand	+
Start	1	End	3790
Name	OJ990412_04.9923.C18.o1.gs	Method	GENSCAN
Start	52	End	3790
GI	none	Score	.76
Exons	52..189, 598..666, 1374..1444, 2035..2149, 2239..2328,		

2968..3042, 3245..3325, 3462..3521, 3614..3790

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9386	Strand	+
Start	1	End	3790
Name	OJ990412_04.9923.C18.o1.np	Method	AAT/NAP
Start	793	End	3757
GI	2947068	Score	160
Exons	793..891, 1378..1444, 2048..2149, 2239..2328, 2968..3042, 3212..3325, 3644..3757		
GI Descrip.	(AC002521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9387	Strand	+
Start	20617	End	20905
Name	OJ990412_04.9923.C18.o4.gp	Method	AAT/GAP
Start	20617	End	20905
GI	61605_3.R1084	Score	416
Exons	20617..20905		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9388	Strand	+
Start	22386	End	25418
Name	OJ990412_04.9923.C18.o3.gs	Method	GENSCAN
Start	22386	End	25418
GI	none	Score	.44
Exons	22386..22709, 23023..23136, 24982..25259, 25298..25418		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9388	Strand	+
Start	22386	End	25418
Name	OJ990412_04.9923.C18.o2.np	Method	AAT/NAP
Start	23586	End	25036
GI	6907088	Score	1066
Exons	23586..23723, 23899..24136, 24639..25036		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9389	Strand	-
Start	3612	End	4093
Name	OJ990412_04.9923.C18.o2.gp	Method	AAT/GAP
Start	3612	End	4093
GI	none	Score	952
Exons	3612..4093		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9390	Strand	-
Start	4332	End	19656
Name	OJ990412_04.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	114	End	3798
GI	none	Score	98
Exons	114..185, 121..189, 122..190, 592..666, 598..669, 809..895, 809..892, 811..894, 1367..1444, 1373..1444, 2045..2149, 2046..2150, 2047..2151, 2047..2148, 2063..2149, 2238..2330, 2239..2331, 2965..3060, 2965..3042, 2966..3043, 2967..3044,		

3137..3184, 3138..3203, 3239..3325, 3241..3327, 3241..3309, 3576..3668, 3612..3674, 3673..3717, 3686..3712, 3723..3794, 3724..3798, 3739..3795

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9390	Strand	-
Start	4332	End	19656
Name	OJ990412_04.9923.C18.o2.gs	Method	GENSCAN
Start	4332	End	19656
GI	none	Score	.47
Exons	4332..4375, 4408..4553, 5206..5227, 6865..6922, 9477..9504, 10029..10224, 10612..10693, 11419..11586, 12119..12217, 15275..15415, 15463..15645, 15807..15988, 16413..16629, 16784..16891, 18002..18088, 18507..18556, 18625..18797, 19649..19656		

Seq. No.	4494	Seq. ID	OJ990412_04.9923.C18
Gene No.	9390	Strand	-
Start	4332	End	19656
Name	OJ990412_04.9923.C18.o3.gp	Method	AAT/GAP
Start	9628	End	10177
GI	none	Score	1028
Exons	9628..10177		

Seq. No.	4495	Seq. ID	OJ990412_04.9923.C19
Gene No.	9391	Strand	+
Start	180	End	313
Name	OJ990412_04.9923.C19.o1.gs	Method	GENSCAN
Start	180	End	313
GI	none	Score	.98
Exons	180..313		

Seq. No.	4495	Seq. ID	OJ990412_04.9923.C19
Gene No.	9392	Strand	+
Start	2764	End	2863
Name	OJ990412_04.9923.C19.o1.gp	Method	AAT/GAP
Start	2764	End	2863
GI	2428185	Score	192
Exons	2764..2863		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	4495	Seq. ID	OJ990412_04.9923.C19
Gene No.	9393	Strand	-
Start	1625	End	2109
Name	OJ990412_04.9923.C19.o2.gs	Method	GENSCAN
Start	1625	End	2109
GI	none	Score	.95
Exons	1625..1766, 1775..2109		

Seq. No.	4496	Seq. ID	OJ990412_04.9923.C20
Gene No.	9394	Strand	-
Start	388	End	642
Name	OJ990412_04.9923.C20.o2.gp	Method	AAT/GAP
Start	388	End	642
GI	61605_3.R1084	Score	414
Exons	388..642		

GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9395	Strand	+
Start	6280	End	6931
Name	OJ990412_04.9923.C21.o1.gp	Method	AAT/GAP
Start	6233	End	6931
GI	59696_1.R1084	Score	1329
Exons	6233..6931		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9395	Strand	+
Start	6280	End	6931
Name	OJ990412_04.9923.C21.o2.np	Method	AAT/NAP
Start	6280	End	6702
GI	3128177	Score	311
Exons	6280..6702		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9395	Strand	+
Start	6280	End	6931
Name	OJ990412_04.9923.C21.o3.gs	Method	GENSCAN
Start	6280	End	6693
GI	none	Score	.99
Exons	6280..6693		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9396	Strand	-
Start	1	End	456
Name	OJ990412_04.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	456
GI	4544419	Score	388
Exons	1..456		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9397	Strand	-
Start	3806	End	6120
Name	OJ990412_04.9923.C21.o2.gs	Method	GENSCAN
Start	3806	End	6120
GI	none	Score	.82
Exons	3806..4093, 5214..5285, 5302..5469, 6061..6120		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o1.tc	Method	TBLASTX:Cress
Start	1	End	306
GI	none	Score	224
Exons	1..306, 2..301		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-

Start	7018	End	8803
Name	OJ990412_04.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	324
GI	none	Score	236
Exons	1..324, 2..298		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	324
GI	none	Score	200
Exons	1..204, 2..205, 194..301, 194..301, 202..324, 241..306		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o2.tm	Method	TBLASTX:Maize
Start	6268	End	6561
GI	none	Score	353
Exons	6268..6561, 6280..6552		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o1.tw	Method	TBLASTX:Wheat
Start	6271	End	6447
GI	none	Score	220
Exons	6271..6447, 6277..6447		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o2.tc	Method	TBLASTX:Cress
Start	6277	End	6642
GI	none	Score	170
Exons	6277..6483, 6487..6642		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o2.ts	Method	TBLASTX:Soybean
Start	6279	End	6675
GI	none	Score	203
Exons	6279..6353, 6280..6465, 6412..6465, 6487..6675, 6573..6653		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o3.np	Method	AAT/NAP
Start	7011	End	8803
GI	4115536	Score	236
Exons	7011..7416, 8776..8803		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21

Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o4.gs	Method	GENSCAN
Start	7018	End	7840
GI	none	Score	.83
Exons	7018..7376, 7657..7840		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o3.tm	Method	TBLASTX:Maize
Start	7023	End	7426
GI	none	Score	113
Exons	7023..7226, 7024..7218, 7237..7341, 7240..7341, 7259..7354, 7352..7426		

Seq. No.	4497	Seq. ID	OJ990412_04.9923.C21
Gene No.	9398	Strand	-
Start	7018	End	8803
Name	OJ990412_04.9923.C21.o3.ts	Method	TBLASTX:Soybean
Start	7029	End	7426
GI	none	Score	53
Exons	7029..7187, 7048..7155, 7246..7341, 7250..7342, 7352..7426		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o1.np	Method	AAT/NAP
Start	7330	End	11892
GI	4680179	Score	7742
Exons	7330..11892		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o7.tw	Method	TBLASTX:Wheat
Start	7597	End	7956
GI	none	Score	298
Exons	7597..7956, 7623..7697, 7722..7955		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o6.tm	Method	TBLASTX:Maize
Start	7837	End	8169
GI	none	Score	211
Exons	7837..8169, 7837..8121, 7854..8024		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o8.tw	Method	TBLASTX:Wheat
Start	8476	End	8892
GI	none	Score	152
Exons	8476..8685, 8526..8624, 8685..8891, 8707..8892, 8736..8891		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o4.tw	Method	TBLASTX:Wheat
Start	9055	End	9537
GI	none	Score	545
Exons	9055..9537, 9159..9494, 9166..9528		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o5.tm	Method	TBLASTX:Maize
Start	9067	End	9356
GI	none	Score	319
Exons	9067..9354, 9165..9356		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o3.tm	Method	TBLASTX:Maize
Start	9424	End	9924
GI	none	Score	161
Exons	9424..9603, 9589..9924, 9675..9806, 9676..9918		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	9478	End	9873
GI	none	Score	57
Exons	9478..9510, 9478..9522, 9514..9873, 9514..9594, 9609..9872		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o5.tw	Method	TBLASTX:Wheat
Start	9586	End	9888
GI	none	Score	396
Exons	9586..9888, 9606..9887		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o2.tw	Method	TBLASTX:Wheat
Start	9889	End	10398
GI	none	Score	635
Exons	9889..10398, 9921..10310, 9967..10314		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o3.ts	Method	TBLASTX:Soybean
Start	9895	End	10140
GI	none	Score	202
Exons	9895..10140		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22

Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o2.tm	Method	TBLASTX:Maize
Start	9961	End	10326
GI	none	Score	484
Exons	9961..10314, 9963..10310, 10015..10326		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o3.tw	Method	TBLASTX:Wheat
Start	10402	End	10881
GI	none	Score	581
Exons	10402..10881, 10435..10848, 10626..10880		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	10588	End	10905
GI	none	Score	89
Exons	10588..10761, 10762..10905, 10764..10904		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o2.ts	Method	TBLASTX:Soybean
Start	10669	End	10929
GI	none	Score	299
Exons	10669..10929, 10674..10928		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o4.tm	Method	TBLASTX:Maize
Start	10728	End	11019
GI	none	Score	390
Exons	10728..11015, 10729..11019		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	10888	End	11514
GI	none	Score	708
Exons	10888..11514, 10890..11513		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	11068	End	11667
GI	none	Score	226
Exons	11068..11229, 11076..11222, 11227..11667, 11229..11654		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+

Start	7330	End	11892
Name	OJ990412_04.9923.C22.o6.tw	Method	TBLASTX:Wheat
Start	11514	End	11882
GI	none	Score	374
Exons	11514..11567, 11515..11847, 11542..11622, 11607..11723, 11665..11826, 11829..11882		

Seq. No.	4498	Seq. ID	OJ990412_04.9923.C22
Gene No.	9399	Strand	+
Start	7330	End	11892
Name	OJ990412_04.9923.C22.o7.tm	Method	TBLASTX:Maize
Start	11671	End	11868
GI	none	Score	197
Exons	11671..11868		

Seq. No.	4499	Seq. ID	OJ990412_04.9923.C23
Gene No.	9400	Strand	-
Start	290	End	457
Name	OJ990412_04.9923.C23.o1.np	Method	AAT/NAP
Start	290	End	457
GI	4680183	Score	47
Exons	290..457		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4499	Seq. ID	OJ990412_04.9923.C23
Gene No.	9401	Strand	-
Start	746	End	867
Name	OJ990412_04.9923.C23.o1.gs	Method	GENSCAN
Start	746	End	867
GI	none	Score	.83
Exons	746..867		

Seq. No.	4500	Seq. ID	OJ990412_04.9923.C24
Gene No.	9402	Strand	+
Start	176	End	1772
Name	OJ990412_04.9923.C24.o1.gs	Method	GENSCAN
Start	176	End	1772
GI	none	Score	.65
Exons	176..280, 316..487, 677..877, 899..1057, 1702..1772		

Seq. No.	4500	Seq. ID	OJ990412_04.9923.C24
Gene No.	9403	Strand	-
Start	46	End	4169
Name	OJ990412_04.9923.C24.o1.np	Method	AAT/NAP
Start	46	End	4169
GI	6907086	Score	551
Exons	46..229, 411..875, 3407..4169		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9404	Strand	+
Start	3296	End	3780
Name	OJ990412_04.9923.C25.o1.gp	Method	AAT/GAP
Start	3296	End	3664
GI	2280576	Score	705
Exons	3296..3664		
GI Descrip.	3128177 1.0e-19 (AC004521) unknown protein [Arabidopsis		

thaliana]

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9404	Strand	+
Start	3296	End	3780
Name	OJ990412_04.9923.C25.o2.np	Method	AAT/NAP
Start	3358	End	3780
GI	3128177	Score	323
Exons	3358..3780		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9405	Strand	-
Start	305	End	2361
Name	OJ990412_04.9923.C25.o1.np	Method	AAT/NAP
Start	305	End	2361
GI	4680186	Score	165
Exons	305..366, 994..1123, 1699..1871, 1983..2361		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9406	Strand	-
Start	4164	End	5626
Name	OJ990412_04.9923.C25.o3.np	Method	AAT/NAP
Start	4161	End	5282
GI	4115538	Score	464
Exons	4161..5282		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9406	Strand	-
Start	4164	End	5626
Name	OJ990412_04.9923.C25.o2.gs	Method	GENSCAN
Start	4164	End	5573
GI	none	Score	.74
Exons	4164..4743, 4780..5573		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9406	Strand	-
Start	4164	End	5626
Name	OJ990412_04.9923.C25.o2.gp	Method	AAT/GAP
Start	5410	End	5626
GI	571895	Score	275
Exons	5410..5626		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9407	Strand	-
Start	10753	End	12245
Name	OJ990412_04.9923.C25.o3.gs	Method	GENSCAN
Start	10753	End	12245
GI	none	Score	.61
Exons	10753..10781, 11407..11421, 11924..12245		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886

Name	OJ990412_04.9923.C25.o2.tm	Method	TBLASTX:Maize
Start	3345	End	3639
GI	none	Score	361
Exons	3345..3638, 3358..3639, 3505..3639		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o2.ts	Method	TBLASTX:Soybean
Start	3349	End	3753
GI	none	Score	208
Exons	3349..3543, 3354..3533, 3562..3753, 3579..3731		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o2.tw	Method	TBLASTX:Wheat
Start	3354	End	3530
GI	none	Score	230
Exons	3354..3530, 3358..3528		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o2.tc	Method	TBLASTX:Cress
Start	3358	End	3720
GI	none	Score	179
Exons	3358..3543, 3363..3533, 3562..3720, 3562..3711, 3600..3719		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	4177	End	19881
GI	none	Score	55
Exons	4177..4296, 4179..4379, 4350..4607, 4411..4494, 4416..4571, 4534..4608, 4583..4609, 4589..4648, 4623..4697, 4624..4689, 4631..4696, 4716..4754, 4717..4761, 4752..4781, 4753..4779, 4821..4946, 4824..4943, 5454..5612, 5454..5570, 19339..19566, 19537..19809, 19598..19795, 19798..19881, 19799..19879		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	4185	End	19878
GI	none	Score	147
Exons	4185..4607, 4399..4608, 4623..4697, 4630..4686, 4716..4778, 4717..4779, 5460..5573, 19372..19794, 19598..19795, 19816..19878		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	4290	End	19881
GI	none	Score	113
Exons	4290..4595, 4402..4605, 4617..4691, 4627..4689, 4719..4796,		

4720..4779, 4821..4865, 4881..4946, 19477..19782, 19598..19792, 19816..19881

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o1.tw	Method	TBLASTX:Wheat
Start	4368	End	19875
GI	none	Score	126
Exons	4368..4592, 4411..4593, 4626..4685, 19555..19779, 19598..19780, 19816..19875		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o5.gs	Method	GENSCAN
Start	19345	End	19804
GI	none	Score	.82
Exons	19345..19804		

Seq. No.	4501	Seq. ID	OJ990412_04.9923.C25
Gene No.	9408	Strand	-
Start	19345	End	19886
Name	OJ990412_04.9923.C25.o4.np	Method	AAT/NAP
Start	19353	End	19886
GI	4115536	Score	405
Exons	19353..19886		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9409	Strand	+
Start	99	End	602
Name	OJ990412_04.9923.C26.o1.gs	Method	GENSCAN
Start	99	End	602
GI	none	Score	.97
Exons	99..602		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9410	Strand	+
Start	1444	End	3197
Name	OJ990412_04.9923.C26.o2.gs	Method	GENSCAN
Start	1444	End	3197
GI	none	Score	.46
Exons	1444..1532, 2154..2410, 2487..2576, 3118..3197		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9411	Strand	+
Start	4427	End	4843
Name	OJ990412_04.9923.C26.o3.gs	Method	GENSCAN
Start	4427	End	4843
GI	none	Score	.98
Exons	4427..4843		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9412	Strand	+
Start	5635	End	7211

Name	OJ990412_04.9923.C26.o2.gp	Method	AAT/GAP
Start	5603	End	6559
GI	3762192	Score	650
Exons	5603..5737, 6356..6559		
GI Descrip.	322750/pir||S28420 2.0e-33 ubiquitin / ribosomal protein CEP52 - wood tobacco >gi_170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9412	Strand	+
Start	5635	End	7211
Name	OJ990412_04.9923.C26.o2.np	Method	AAT/NAP
Start	5635	End	6822
GI	280386	Score	460
Exons	5635..5737, 6356..6563, 6732..6822		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - Arabidopsis thaliana gi|166930 (J05507) ubiquitin extension protein (UBQ1) [Arabidopsis thaliana] gi|166932 (J05508) ubiquitin extension protein (UBQ2) [Arabidopsis thaliana] gi|4886268|emb|CAB43405.1| (AL050300) ubiquitin / ribosomal protein CEP52 [Arabidopsis thaliana] gi|6598636|gb|AAD21428.2| (AC006921) putative ubiquitin/ribosomal p		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9412	Strand	+
Start	5635	End	7211
Name	OJ990412_04.9923.C26.o4.gs	Method	GENSCAN
Start	5635	End	7211
GI	none	Score	.64
Exons	5635..5737, 6356..6563, 6732..6798, 7170..7211		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9413	Strand	+
Start	9004	End	9432
Name	OJ990412_04.9923.C26.o3.np	Method	AAT/NAP
Start	9004	End	9432
GI	3128177	Score	320
Exons	9004..9432		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9413	Strand	+
Start	9004	End	9432
Name	OJ990412_04.9923.C26.o5.gs	Method	GENSCAN
Start	9004	End	9426
GI	none	Score	1
Exons	9004..9426		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9414	Strand	-
Start	415	End	616
Name	OJ990412_04.9923.C26.o1.gp	Method	AAT/GAP
Start	415	End	616
GI	571895	Score	372
Exons	415..616		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26

Gene No.	9415	Strand	-
Start	1990	End	2383
Name	OJ990412_04.9923.C26.o1.np	Method	AAT/NAP
Start	1990	End	2383
GI	4115536	Score	120
Exons	1990..2383		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9415	Strand	-
Start	1990	End	2383
Name	OJ990412_04.9923.C26.o2.tm	Method	TBLASTX:Maize
Start	2110	End	2376
GI	none	Score	102
Exons	2110..2373, 2134..2376, 2219..2374		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o1.tm	Method	TBLASTX:Maize
Start	4414	End	9291
GI	none	Score	280
Exons	4414..4602, 4427..4636, 4556..4615, 4602..4703, 4613..4711, 4613..4711, 9000..9179, 9001..9180, 9133..9189, 9137..9199, 9194..9235, 9232..9291		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	4418	End	9405
GI	none	Score	196
Exons	4418..4612, 4423..4602, 4634..4825, 4651..4803, 9000..9179, 9004..9180, 9232..9405, 9297..9383		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o1.tw	Method	TBLASTX:Wheat
Start	4423	End	9176
GI	none	Score	238
Exons	4423..4599, 4427..4597, 9000..9176, 9004..9174		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o1.tc	Method	TBLASTX:Cress
Start	4427	End	9372
GI	none	Score	187
Exons	4427..4612, 4432..4548, 4634..4792, 4634..4780, 9004..9180, 9009..9125, 9232..9372		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o2.tw	Method	TBLASTX:Wheat

Start	5616	End	6566
GI	none	Score	177
Exons	5616..5741, 5620..5739, 5620..5739, 5628..5741, 5631..5741, 5632..5739, 6349..6414, 6349..6414, 6354..6461, 6354..6464, 6354..6461, 6355..6450, 6355..6450, 6355..6450, 6498..6566, 6499..6564		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o2.tc	Method	TBLASTX:Cress
Start	5617	End	6590
GI	none	Score	173
Exons	5617..5739, 5634..5741, 6354..6449, 6354..6461, 6355..6450, 6499..6588, 6504..6590		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o3.tm	Method	TBLASTX:Maize
Start	5628	End	6804
GI	none	Score	63
Exons	5628..5675, 5631..5741, 5632..5739, 6349..6414, 6354..6446, 6354..6464, 6355..6450, 6499..6564, 6504..6566, 6726..6803, 6726..6797, 6727..6804		

Seq. No.	4502	Seq. ID	OJ990412_04.9923.C26
Gene No.	9416	Strand	
Start	4414	End	9405
Name	OJ990412_04.9923.C26.o2.ts	Method	TBLASTX:Soybean
Start	5632	End	6804
GI	none	Score	171
Exons	5632..5739, 5634..5741, 6354..6449, 6354..6461, 6355..6450, 6498..6566, 6499..6564, 6726..6797, 6727..6804		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9417	Strand	+
Start	946	End	3363
Name	OJ990412_04.9923.C27.o1.gs	Method	GENSCAN
Start	946	End	3066
GI	none	Score	.82
Exons	946..1148, 2223..2430, 2548..2614, 3022..3066		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9417	Strand	+
Start	946	End	3363
Name	OJ990412_04.9923.C27.o1.np	Method	AAT/NAP
Start	1038	End	2638
GI	2144734	Score	404
Exons	1038..1148, 2223..2430, 2548..2638		
GI Descrip.	polyubiquitin / ribosomal protein CEP52 - Trypanosoma cruzi gi|162337 (J03945) ubiquitin precursor [Trypanosoma cruzi]		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9417	Strand	+
Start	946	End	3363
Name	OJ990412_04.9923.C27.o2.gp	Method	AAT/GAP

Start	2209	End	3363
GI	294_7.R1084	Score	960
Exons	2209..2430, 2548..2614, 3022..3363		
GI Descrip.	'322750/pir||S28420 2.0e-33 ubiquitin / ribosomal protein CEP52 - wood tobacco >gi_170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]'		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9418	Strand	+
Start	4102	End	4524
Name	OJ990412_04.9923.C27.o3.gp	Method	AAT/GAP
Start	3986	End	4442
GI	59652_1.R1084	Score	860
Exons	3986..4442		
GI Descrip.	'3128177 1.0e-26 (AC004521) unknown protein [Arabidopsis thaliana]'		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9418	Strand	+
Start	4102	End	4524
Name	OJ990412_04.9923.C27.o2.gs	Method	GENSCAN
Start	4102	End	4515
GI	none	Score	.93
Exons	4102..4515		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9418	Strand	+
Start	4102	End	4524
Name	OJ990412_04.9923.C27.o2.np	Method	AAT/NAP
Start	4102	End	4524
GI	3128177	Score	342
Exons	4102..4524		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	1016	End	2629
GI	none	Score	178
Exons	1016..1153, 1022..1093, 1042..1152, 2216..2317, 2221..2331, 2366..2431, 2371..2433, 2386..2433, 2538..2618, 2539..2619, 2546..2629		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o2.tc	Method	TBLASTX:Cress
Start	1024	End	2629
GI	none	Score	176
Exons	1024..1152, 1043..1153, 2216..2317, 2221..2331, 2366..2431, 2539..2610, 2546..2629		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o3.tw	Method	TBLASTX:Wheat

Start	1034	End	1153
GI	none	Score	72
Exons	1034..1096, 1039..1083, 1040..1087, 1042..1152, 1043..1153, 1088..1153, 1132..1152		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o2.ts	Method	TBLASTX:Soybean
Start	1043	End	2629
GI	none	Score	176
Exons	1043..1153, 1045..1152, 2216..2317, 2221..2328, 2365..2433, 2366..2431, 2539..2619, 2546..2629		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o1.tw	Method	TBLASTX:Wheat
Start	2221	End	2619
GI	none	Score	149
Exons	2221..2313, 2221..2331, 2371..2433, 2372..2431, 2539..2610, 2539..2619, 2546..2617		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	4090	End	4383
GI	none	Score	364
Exons	4090..4383, 4098..4382		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	4098	End	4497
GI	none	Score	205
Exons	4098..4280, 4102..4287, 4305..4451, 4306..4497, 4344..4475		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o2.tw	Method	TBLASTX:Wheat
Start	4098	End	4274
GI	none	Score	237
Exons	4098..4274, 4102..4272		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o1.tc	Method	TBLASTX:Cress
Start	4102	End	4464
GI	none	Score	196
Exons	4102..4287, 4107..4280, 4306..4464, 4344..4463		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-

Start	5361	End	10870
Name	OJ990412_04.9923.C27.o3.np	Method	AAT/NAP
Start	5153	End	6434
GI	4826914	Score	301
Exons	5153..5270, 5712..6434		
GI Descrip.	phospholipase A2, group IVB (cytosolic) gi|3811347|gb|AAC78836| (AF065215) cytosolic phospholipase A2 beta [Homo sapiens]		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o3.gs	Method	GENSCAN
Start	5361	End	6440
GI	none	Score	1
Exons	5361..6440		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o5.np	Method	AAT/NAP
Start	5769	End	10870
GI	6358765	Score	54
Exons	5769..5819, 7705..7915, 10836..10870		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4503	Seq. ID	OJ990412_04.9923.C27
Gene No.	9419	Strand	-
Start	5361	End	10870
Name	OJ990412_04.9923.C27.o4.np	Method	AAT/NAP
Start	6913	End	7432
GI	2346984	Score	150
Exons	6913..7432		
GI Descrip.	(AB006604) ZPT2-9 [Petunia x hybrida]		

Seq. No.	4504	Seq. ID	OJ990412_04.9923.C28
Gene No.	9420	Strand	-
Start	393	End	418
Name	OJ990412_04.9923.C28.o1.gs	Method	GENSCAN
Start	393	End	418
GI	none	Score	.43
Exons	393..418		

Seq. No.	4505	Seq. ID	OJ990412_04.9923.C29
Gene No.	9421	Strand	-
Start	184	End	268
Name	OJ990412_04.9923.C29.o1.np	Method	AAT/NAP
Start	184	End	268
GI	6721547	Score	101
Exons	184..268		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	4506	Seq. ID	OJ990412_04.9923.C30
Gene No.	9422	Strand	-
Start	29	End	388
Name	OJ990412_04.9923.C30.o1.gs	Method	GENSCAN
Start	29	End	388
GI	none	Score	.45

Exons	29..388		
Seq. No.	4507	Seq. ID	OJ990412_04.9923.C34
Gene No.	9423	Strand	+
Start	69	End	698
Name	OJ990412_04.9923.C34.o1.gs	Method	GENSCAN
Start	69	End	698
GI	none	Score	.56
Exons	69..217, 259..698		
Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.gp	Method	AAT/GAP
Start	1	End	523
GI	438_1.R1084	Score	1026
Exons	1..523		
GI Descrip.	'417154/sp|P33126|HS82_ORYSA 1.0e-172 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		
Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	523
GI	none	Score	445
Exons	1..342, 2..346, 3..335, 3..356, 442..522, 444..521, 467..523		
Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.np	Method	AAT/NAP
Start	1	End	523
GI	417154	Score	884
Exons	1..523		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.tc	Method	TBLASTX:Cress
Start	2	End	523
GI	none	Score	414
Exons	2..346, 3..335, 18..356, 445..522, 467..523		
Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	2	End	523
GI	none	Score	399
Exons	2..346, 3..335, 3..356, 445..522, 450..521, 467..523		

Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.gs	Method	GENSCAN
Start	73	End	475
GI	none	Score	.58
Exons	73..475		

Seq. No.	4508	Seq. ID	OJ990412_04.9923.C35
Gene No.	9424	Strand	-
Start	1	End	523
Name	OJ990412_04.9923.C35.o1.tw	Method	TBLASTX:Wheat
Start	116	End	523
GI	none	Score	265
Exons	116..346, 117..356, 123..335, 124..345, 442..522, 450..521, 467..523		

Seq. No.	4509	Seq. ID	OJ990412_04.9923.C36
Gene No.	9425	Strand	-
Start	13	End	330
Name	OJ990412_04.9923.C36.o1.gs	Method	GENSCAN
Start	13	End	330
GI	none	Score	.85
Exons	13..89, 158..330		

Seq. No.	4510	Seq. ID	OJ990412_04.9923.C38
Gene No.	9426	Strand	-
Start	33	End	387
Name	OJ990412_04.9923.C38.o1.gs	Method	GENSCAN
Start	33	End	387
GI	none	Score	.92
Exons	33..387		

Seq. No.	4511	Seq. ID	OJ990412_07.9923.C1
Gene No.	9427	Strand	+
Start	986	End	4531
Name	OJ990412_07.9923.C1.o1.gs	Method	GENSCAN
Start	986	End	4531
GI	none	Score	.87
Exons	986..1124, 1890..2185, 3221..3421, 3938..4132, 4293..4531		

Seq. No.	4511	Seq. ID	OJ990412_07.9923.C1
Gene No.	9428	Strand	-
Start	273	End	391
Name	OJ990412_07.9923.C1.o1.np	Method	AAT/NAP
Start	273	End	391
GI	6815099	Score	95
Exons	273..391		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4511	Seq. ID	OJ990412_07.9923.C1
Gene No.	9429	Strand	-
Start	1276	End	2169
Name	OJ990412_07.9923.C1.o2.np	Method	AAT/NAP
Start	1276	End	2169
GI	6678139	Score	101
Exons	1276..1400, 1760..2169		

GI Descrip.	simple repeat sequence-containing transcript gi|730888|sp|Q06666|T2_MOUSE OCTAPEPTIDE-REPEAT PROTEIN T2 gi|296382|emb|CAA48048| (X67863) T2 [Mus musculus]		
Seq. No.	4511	Seq. ID	OJ990412_07.9923.C1
Gene No.	9430	Strand	-
Start	3457	End	5035
Name	OJ990412_07.9923.C1.o4.np	Method	AAT/NAP
Start	3457	End	5035
GI	6016874	Score	336
Exons	3457..3610, 3934..4182, 4307..4533, 4995..5035		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9431	Strand	-
Start	1	End	2368
Name	OJ990412_07.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	2368
GI	6016874	Score	1785
Exons	1..111, 170..531, 649..828, 1222..1381, 1772..2004, 2069..2206, 2290..2368		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9431	Strand	-
Start	1	End	2368
Name	OJ990412_07.9923.C2.o1.gs	Method	GENSCAN
Start	188	End	2368
GI	none	Score	.8
Exons	188..2368		
Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9431	Strand	-
Start	1	End	2368
Name	OJ990412_07.9923.C2.o1.gp	Method	AAT/GAP
Start	1171	End	1679
GI	uC-osflcyp110c07b1	Score	958
Exons	1171..1679		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9432	Strand	-
Start	2954	End	4797
Name	OJ990412_07.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	254	End	497
GI	none	Score	97
Exons	254..487, 339..497		
Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9432	Strand	-
Start	2954	End	4797

Name	OJ990412_07.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	609	End	961
GI	none	Score	136
Exons	609..950, 680..961		

Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9432	Strand	-
Start	2954	End	4797
Name	OJ990412_07.9923.C2.o3.tm	Method	TBLASTX:Maize
Start	1166	End	1480
GI	none	Score	106
Exons	1166..1393, 1167..1385, 1406..1480		

Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9432	Strand	-
Start	2954	End	4797
Name	OJ990412_07.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	1574	End	2020
GI	none	Score	110
Exons	1574..1612, 1607..1669, 1670..1948, 1740..1925, 1934..2020		

Seq. No.	4512	Seq. ID	OJ990412_07.9923.C2
Gene No.	9432	Strand	-
Start	2954	End	4797
Name	OJ990412_07.9923.C2.o2.gs	Method	GENSCAN
Start	2954	End	4797
GI	none	Score	.66
Exons	2954..3218, 3583..3734, 4462..4626, 4795..4797		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9433	Strand	+
Start	2321	End	10373
Name	OJ990412_07.9923.C3.o2.gs	Method	GENSCAN
Start	2321	End	9569
GI	none	Score	.53
Exons	2321..2393, 2626..2744, 3183..3225, 3258..3382, 4860..4989, 6147..7106, 8104..9569		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9433	Strand	+
Start	2321	End	10373
Name	OJ990412_07.9923.C3.o2.np	Method	AAT/NAP
Start	6167	End	10373
GI	2160156	Score	3491
Exons	6167..7082, 8023..10373		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb|Z73100). [Arabidopsis thaliana]		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9434	Strand	-
Start	302	End	2054
Name	OJ990412_07.9923.C3.o1.gs	Method	GENSCAN
Start	302	End	2054
GI	none	Score	.86
Exons	302..1494, 1562..2054		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3

Gene No.	9434	Strand	-
Start	302	End	2054
Name	OJ990412_07.9923.C3.o1.np	Method	AAT/NAP
Start	338	End	2048
GI	6358763	Score	639
Exons	338..1482, 1562..2048		
GI Descrip.	(AC011665) unknown protein [Arabidopsis thaliana]		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9434	Strand	-
Start	302	End	2054
Name	OJ990412_07.9923.C3.o5.ts	Method	TBLASTX:Soybean
Start	347	End	1010
GI	none	Score	58
Exons	347..748, 350..514, 549..749, 755..1009, 756..1010		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9434	Strand	-
Start	302	End	2054
Name	OJ990412_07.9923.C3.o2.tm	Method	TBLASTX:Maize
Start	389	End	1009
GI	none	Score	271
Exons	389..688, 390..686, 666..749, 667..747, 668..748, 935..1009		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9434	Strand	-
Start	302	End	2054
Name	OJ990412_07.9923.C3.o4.tm	Method	TBLASTX:Maize
Start	1354	End	1688
GI	none	Score	120
Exons	1354..1488, 1355..1477, 1383..1496, 1551..1688, 1558..1686		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9435	Strand	
Start	6175	End	6453
Name	OJ990412_07.9923.C3.o2.tc	Method	TBLASTX:Cress
Start	6175	End	6453
GI	none	Score	304
Exons	6175..6453, 6176..6451		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9435	Strand	
Start	6175	End	6453
Name	OJ990412_07.9923.C3.o6.ts	Method	TBLASTX:Soybean
Start	6182	End	6439
GI	none	Score	118
Exons	6182..6289, 6184..6285, 6280..6435, 6281..6439		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9436	Strand	
Start	6656	End	7018
Name	OJ990412_07.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	6656	End	7018
GI	none	Score	464
Exons	6656..7018, 6721..7008		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3

Gene No.	9437	Strand	
Start	8172	End	8522
Name	OJ990412_07.9923.C3.o3.tm	Method	TBLASTX:Maize
Start	8172	End	8480
GI	none	Score	377
Exons	8172..8480, 8173..8253, 8174..8458, 8178..8474		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9437	Strand	
Start	8172	End	8522
Name	OJ990412_07.9923.C3.o3.ts	Method	TBLASTX:Soybean
Start	8186	End	8522
GI	none	Score	368
Exons	8186..8461, 8187..8522		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	8520	End	10373
GI	none	Score	1416
Exons	8520..9533, 8522..9523, 8523..9524, 9532..10104, 9536..10105, 10107..10271, 10108..10314, 10257..10373, 10274..10372		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	8522	End	9284
GI	none	Score	675
Exons	8522..9049, 8523..9077, 9054..9284, 9073..9282, 9074..9283		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o4.ts	Method	TBLASTX:Soybean
Start	9285	End	9625
GI	none	Score	295
Exons	9285..9533, 9287..9517, 9539..9625, 9550..9624		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o2.ts	Method	TBLASTX:Soybean
Start	9707	End	10373
GI	none	Score	176
Exons	9707..9928, 9733..9921, 9931..10101, 9932..10102, 9938..10111, 10105..10272, 10108..10251, 10110..10271, 10254..10373, 10295..10369		

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o3.tc	Method	TBLASTX:Cress
Start	9794	End	10155
GI	none	Score	80
Exons	9794..9925, 9799..9864, 9931..10101, 9932..10105, 10108..10155,		

10111..10152

Seq. No.	4513	Seq. ID	OJ990412_07.9923.C3
Gene No.	9438	Strand	
Start	8520	End	10406
Name	OJ990412_07.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	10027	End	10406
GI	none	Score	69
Exons	10027..10104, 10028..10105, 10107..10247, 10108..10284, 10110..10271, 10257..10406, 10277..10381		

Seq. No.	4514	Seq. ID	OJ990412_07.9923.C5
Gene No.	9439	Strand	+
Start	721	End	847
Name	OJ990412_07.9923.C5.o1.gs	Method	GENSCAN
Start	721	End	847
GI	none	Score	.81
Exons	721..847		

Seq. No.	4515	Seq. ID	OJ990412_07.9923.C6
Gene No.	9440	Strand	
Start	3	End	506
Name	OJ990412_07.9923.C6.o1.tw	Method	TBLASTX:Wheat
Start	3	End	350
GI	none	Score	126
Exons	3..92, 20..244, 22..240, 159..350, 189..350		

Seq. No.	4515	Seq. ID	OJ990412_07.9923.C6
Gene No.	9440	Strand	
Start	3	End	506
Name	OJ990412_07.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	177	End	506
GI	none	Score	69
Exons	177..506, 187..339, 279..476, 400..477		

Seq. No.	4516	Seq. ID	OJ990412_07.9923.C9
Gene No.	9441	Strand	-
Start	55	End	262
Name	OJ990412_07.9923.C9.o1.gs	Method	GENSCAN
Start	55	End	262
GI	none	Score	.74
Exons	55..144, 149..262		

Seq. No.	4517	Seq. ID	OJ990412_07.9923.C10
Gene No.	9442	Strand	+
Start	401	End	825
Name	OJ990412_07.9923.C10.o1.gs	Method	GENSCAN
Start	401	End	825
GI	none	Score	.86
Exons	401..601, 812..825		

Seq. No.	4518	Seq. ID	OJ990412_07.9923.C13
Gene No.	9443	Strand	+
Start	376	End	569
Name	OJ990412_07.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	275	End	464
GI	none	Score	172

Exons	275..463, 279..464		
Seq. No.	4518	Seq. ID	OJ990412_07.9923.C13
Gene No.	9443	Strand	+
Start	376	End	569
Name	OJ990412_07.9923.C13.o1.gs	Method	GENSCAN
Start	376	End	569
GI	none	Score	.46
Exons	376..569		
Seq. No.	4519	Seq. ID	OJ990412_07.9923.C14
Gene No.	9444	Strand	-
Start	1	End	1172
Name	OJ990412_07.9923.C14.o1.gp	Method	AAT/GAP
Start	1	End	169
GI	567960	Score	293
Exons	1..169		
Seq. No.	4519	Seq. ID	OJ990412_07.9923.C14
Gene No.	9444	Strand	-
Start	1	End	1172
Name	OJ990412_07.9923.C14.o1.np	Method	AAT/NAP
Start	1	End	1172
GI	6063557	Score	411
Exons	1..371, 622..820, 1096..1172		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	4519	Seq. ID	OJ990412_07.9923.C14
Gene No.	9444	Strand	-
Start	1	End	1172
Name	OJ990412_07.9923.C14.o2.gp	Method	AAT/GAP
Start	188	End	349
GI	uC-osflcyp169h02b1	Score	207
Exons	188..349		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		
Seq. No.	4519	Seq. ID	OJ990412_07.9923.C14
Gene No.	9444	Strand	-
Start	1	End	1172
Name	OJ990412_07.9923.C14.o1.gs	Method	GENSCAN
Start	259	End	803
GI	none	Score	.53
Exons	259..398, 666..803		
Seq. No.	4520	Seq. ID	OJ990412_07.9923.C15
Gene No.	9445	Strand	+
Start	1	End	123
Name	OJ990412_07.9923.C15.o1.gp	Method	AAT/GAP
Start	1	End	123
GI	2427747	Score	234
Exons	1..123		
Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9446	Strand	+
Start	1	End	2934
Name	OJ990412_07.9923.C16.o2.np	Method	AAT/NAP

Start	1	End	1966
GI	4680204	Score	32
Exons	1..41, 1700..1776, 1845..1966		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9446	Strand	+
Start	1	End	2934
Name	OJ990412_07.9923.C16.o1.np	Method	AAT/NAP
Start	9	End	1133
GI	6091722	Score	152
Exons	9..128, 212..324, 955..1133		
GI Descrip.	(AC010797) putative ribosomal protein L13 [Arabidopsis thaliana]		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9446	Strand	+
Start	1	End	2934
Name	OJ990412_07.9923.C16.o1.gs	Method	GENSCAN
Start	212	End	1887
GI	none	Score	.89
Exons	212..300, 1752..1887		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9446	Strand	+
Start	1	End	2934
Name	OJ990412_07.9923.C16.o1.gp	Method	AAT/GAP
Start	220	End	468
GI	1036974	Score	436
Exons	220..468		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9446	Strand	+
Start	1	End	2934
Name	OJ990412_07.9923.C16.o3.np	Method	AAT/NAP
Start	1842	End	2934
GI	6091722	Score	357
Exons	1842..1886, 2419..2493, 2577..2746, 2814..2934		
GI Descrip.	(AC010797) putative ribosomal protein L13 [Arabidopsis thaliana]		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9447	Strand	+
Start	2851	End	10720
Name	OJ990412_07.9923.C16.o4.gp	Method	AAT/GAP
Start	2585	End	2692
GI	1036974	Score	171
Exons	2585..2692		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9447	Strand	+
Start	2851	End	10720
Name	OJ990412_07.9923.C16.o2.gs	Method	GENSCAN
Start	2851	End	9148
GI	none	Score	.59
Exons	2851..2922, 3214..3357, 3999..4112, 4263..4402, 4994..5509, 5620..6091, 6110..6344, 6449..6576, 6697..6826, 7793..7938, 8804..9148		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9447	Strand	+
Start	2851	End	10720
Name	OJ990412_07.9923.C16.o4.np	Method	AAT/NAP
Start	5472	End	10720
GI	6705984	Score	607
Exons	5472..6828, 10664..10720		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9448	Strand	-
Start	1036	End	1351
Name	OJ990412_07.9923.C16.o2.gp	Method	AAT/GAP
Start	1036	End	1351
GI	567960	Score	464
Exons	1036..1351		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	54	End	2951
GI	none	Score	114
Exons	54..131, 57..131, 206..325, 211..327, 212..325, 962..1111, 963..1151, 1132..1179, 2419..2496, 2421..2495, 2575..2673, 2576..2731, 2577..2729, 2809..2922, 2812..2922, 2817..2951		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o2.tc	Method	TBLASTX:Cress
Start	54	End	2723
GI	none	Score	103
Exons	54..131, 56..130, 206..322, 208..366, 212..316, 2419..2496, 2421..2495, 2573..2692, 2577..2711, 2703..2723		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o4.ts	Method	TBLASTX:Soybean
Start	962	End	2930
GI	none	Score	121
Exons	962..1039, 963..1040, 2676..2729, 2676..2732, 2809..2922, 2812..2922, 2814..2930		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	5510	End	5911
GI	none	Score	315
Exons	5510..5911, 5629..5676, 5714..5911		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o1.tw	Method	TBLASTX:Wheat

Start	5645	End	6049
GI	none	Score	180
Exons	5645..5881, 5654..5851, 5692..5862, 5867..6049, 5870..5959, 5875..5976		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o2.tw	Method	TBLASTX:Wheat
Start	6423	End	6807
GI	none	Score	62
Exons	6423..6497, 6425..6490, 6484..6690, 6548..6577, 6699..6773, 6703..6807		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o3.ts	Method	TBLASTX:Soybean
Start	6502	End	6825
GI	none	Score	154
Exons	6502..6723, 6531..6725, 6727..6825		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	8628	End	8928
GI	none	Score	169
Exons	8628..8690, 8661..8924, 8692..8928, 8696..8926		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	8635	End	8913
GI	none	Score	80
Exons	8635..8685, 8636..8686, 8640..8699, 8676..8912, 8677..8913, 8677..8910, 8687..8911		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o2.ts	Method	TBLASTX:Soybean
Start	8643	End	8938
GI	none	Score	119
Exons	8643..8711, 8691..8933, 8692..8934, 8695..8934, 8696..8935, 8831..8938		

Seq. No.	4521	Seq. ID	OJ990412_07.9923.C16
Gene No.	9449	Strand	-
Start	9420	End	11176
Name	OJ990412_07.9923.C16.o3.gs	Method	GENSCAN
Start	9420	End	11176
GI	none	Score	.91
Exons	9420..9587, 9665..9736, 9820..9898, 9986..10096, 10177..10428, 10512..11176		

Seq. No.	4522	Seq. ID	OJ990412_07.9923.C17
Gene No.	9450	Strand	+
Start	426	End	752
Name	OJ990412_07.9923.C17.o1.gs	Method	GENSCAN
Start	426	End	752
GI	none	Score	.73
Exons	426..752		

Seq. No.	4522	Seq. ID	OJ990412_07.9923.C17
Gene No.	9451	Strand	+
Start	1306	End	5522
Name	OJ990412_07.9923.C17.o2.gs	Method	GENSCAN
Start	1306	End	3635
GI	none	Score	.89
Exons	1306..1585, 2245..2340, 3001..3116, 3389..3460, 3564..3635		

Seq. No.	4522	Seq. ID	OJ990412_07.9923.C17
Gene No.	9451	Strand	+
Start	1306	End	5522
Name	OJ990412_07.9923.C17.o1.np	Method	AAT/NAP
Start	3216	End	5522
GI	2498277	Score	79
Exons	3216..3245, 5087..5522		
GI Descrip.	CYLICIN II (MULTIPLE-BAND POLYPEPTIDE II) gi|2136733|pir||I46014 cylicin II - bovine gi|757754|emb|CAA86753| (Z46789) cylicin II [Bos taurus]		

Seq. No.	4522	Seq. ID	OJ990412_07.9923.C17
Gene No.	9452	Strand	-
Start	6016	End	6140
Name	OJ990412_07.9923.C17.o3.gs	Method	GENSCAN
Start	6016	End	6140
GI	none	Score	.85
Exons	6016..6140		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9453	Strand	+
Start	1252	End	9148
Name	OJ990412_07.9923.C18.o1.gs	Method	GENSCAN
Start	1252	End	8346
GI	none	Score	.74
Exons	1252..1610, 1615..1903, 2962..3263, 3426..3810, 3947..3985, 4098..4202, 4626..4850, 4946..5202, 5235..5348, 6246..6369, 7176..7333, 7654..7769, 7847..8346		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9453	Strand	+
Start	1252	End	9148
Name	OJ990412_07.9923.C18.o1.np	Method	AAT/NAP
Start	1252	End	9148
GI	5902444	Score	2713
Exons	1252..2207, 2937..3710, 7950..9148		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9454	Strand	+
Start	14159	End	17321

Name	OJ990412_07.9923.C18.o2.np	Method	AAT/NAP
Start	14159	End	17321
GI	4544372	Score	1111
Exons	14159..15191, 15259..15657, 15763..17321		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9455	Strand	+
Start	19117	End	28972
Name	OJ990412_07.9923.C18.o4.gs	Method	GENSCAN
Start	19117	End	28911
GI	none	Score	.48
Exons	19117..19333, 19681..19769, 20229..20276, 20527..24374, 25457..25615, 25704..25751, 25963..26281, 27977..28271, 28662..28911		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9455	Strand	+
Start	19117	End	28972
Name	OJ990412_07.9923.C18.o3.np	Method	AAT/NAP
Start	20470	End	24375
GI	6539553	Score	6731
Exons	20470..24375		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9455	Strand	+
Start	19117	End	28972
Name	OJ990412_07.9923.C18.o2.gp	Method	AAT/GAP
Start	25938	End	26296
GI	1450_2.R1084	Score	350
Exons	25938..26203, 26265..26296		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9455	Strand	+
Start	19117	End	28972
Name	OJ990412_07.9923.C18.o4.np	Method	AAT/NAP
Start	28002	End	28972
GI	421929	Score	1347
Exons	28002..28972		
GI Descrip.	ubiquitin - tomato gi|312160|emb|CAA51679| (X73156) ubiquitin [Lycopersicon esculentum]		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9456	Strand	-
Start	17601	End	18817
Name	OJ990412_07.9923.C18.o3.gs	Method	GENSCAN
Start	17601	End	18817
GI	none	Score	.95
Exons	17601..18248, 18333..18434, 18695..18817		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o9.tw	Method	TBLASTX:Wheat
Start	3278	End	3651
GI	none	Score	77
Exons	3278..3325, 3279..3338, 3355..3651, 3429..3578		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o7.tw	Method	TBLASTX:Wheat
Start	8516	End	8923
GI	none	Score	341
Exons	8516..8923, 8534..8692, 8659..8901		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o11.ts	Method	TBLASTX:Soybean
Start	14275	End	14640
GI	none	Score	109
Exons	14275..14499, 14506..14640		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o4.tw	Method	TBLASTX:Wheat
Start	14437	End	14841
GI	none	Score	57
Exons	14437..14493, 14488..14841, 14496..14774, 14497..14826		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o8.tm	Method	TBLASTX:Maize
Start	14491	End	14709
GI	none	Score	277
Exons	14491..14709, 14496..14708		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	14710	End	15171
GI	none	Score	501
Exons	14710..15171, 14713..15171		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o10.tw	Method	TBLASTX:Wheat
Start	14842	End	15177
GI	none	Score	204
Exons	14842..15177, 14844..14987		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18

Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o7.ts	Method	TBLASTX:Soybean
Start	14857	End	15236
GI	none	Score	228
Exons	14857..15138, 14895..15119, 15183..15236		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o5.ts	Method	TBLASTX:Soybean
Start	15479	End	15891
GI	none	Score	139
Exons	15479..15616, 15481..15612, 15637..15891, 15638..15889		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o12.tw	Method	TBLASTX:Wheat
Start	15524	End	15901
GI	none	Score	73
Exons	15524..15613, 15652..15732, 15653..15901		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o13.tw	Method	TBLASTX:Wheat
Start	16322	End	16618
GI	none	Score	137
Exons	16322..16486, 16511..16618		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o9.tm	Method	TBLASTX:Maize
Start	16340	End	16720
GI	none	Score	83
Exons	16340..16498, 16496..16720		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o8.ts	Method	TBLASTX:Soybean
Start	16343	End	16741
GI	none	Score	225
Exons	16343..16741, 16447..16563		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o11.tw	Method	TBLASTX:Wheat
Start	16901	End	17316
GI	none	Score	192
Exons	16901..17308, 17122..17316		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-

Start	19201	End	19647
Name	OJ990412_07.9923.C18.o9.ts	Method	TBLASTX:Soybean
Start	17084	End	17314
GI	none	Score	208
Exons	17084..17314, 17084..17218, 17104..17223		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9457	Strand	-
Start	19201	End	19647
Name	OJ990412_07.9923.C18.o1.gp	Method	AAT/GAP
Start	19201	End	19647
GI	1450_2.R1084	Score	141
Exons	19201..19289, 19591..19647		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9458	Strand	
Start	20464	End	20912
Name	OJ990412_07.9923.C18.o6.tw	Method	TBLASTX:Wheat
Start	20464	End	20850
GI	none	Score	349
Exons	20464..20850, 20475..20849		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9458	Strand	
Start	20464	End	20912
Name	OJ990412_07.9923.C18.o5.tm	Method	TBLASTX:Maize
Start	20599	End	20912
GI	none	Score	355
Exons	20599..20910, 20607..20912		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9459	Strand	
Start	21411	End	21733
Name	OJ990412_07.9923.C18.o3.tm	Method	TBLASTX:Maize
Start	21411	End	21733
GI	none	Score	258
Exons	21411..21665, 21418..21732, 21438..21731, 21566..21733		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9460	Strand	
Start	21760	End	22959
Name	OJ990412_07.9923.C18.o10.ts	Method	TBLASTX:Soybean
Start	21760	End	22146
GI	none	Score	88
Exons	21760..21915, 21898..22146		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9460	Strand	
Start	21760	End	22959
Name	OJ990412_07.9923.C18.o8.tw	Method	TBLASTX:Wheat
Start	21865	End	22203
GI	none	Score	274
Exons	21865..22203, 21936..22076, 21997..22182		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18

Gene No.	9460	Strand	
Start	21760	End	22959
Name	OJ990412_07.9923.C18.o7.tm	Method	TBLASTX:Maize
Start	21934	End	22368
GI	none	Score	301
Exons	21934..22368, 22143..22343		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9460	Strand	
Start	21760	End	22959
Name	OJ990412_07.9923.C18.o4.ts	Method	TBLASTX:Soybean
Start	22156	End	22554
GI	none	Score	197
Exons	22156..22380, 22164..22334, 22381..22554		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9460	Strand	
Start	21760	End	22959
Name	OJ990412_07.9923.C18.o2.tw	Method	TBLASTX:Wheat
Start	22204	End	22959
GI	none	Score	636
Exons	22204..22668, 22212..22691, 22712..22942, 22720..22959, 22742..22939, 22800..22958		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o2.ts	Method	TBLASTX:Soybean
Start	22879	End	23343
GI	5509260	Score	379
Exons	22879..23343, 23097..23198, 23271..23324		
GI Descrip.	-		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o2.tc	Method	TBLASTX:Cress
Start	22972	End	23232
GI	none	Score	285
Exons	22972..23232, 22974..23051		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o4.tm	Method	TBLASTX:Maize
Start	23013	End	23478
GI	none	Score	357
Exons	23013..23375, 23014..23478		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o5.tw	Method	TBLASTX:Wheat
Start	23014	End	23559
GI	none	Score	321
Exons	23014..23358, 23161..23334, 23353..23559, 23427..23549		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o3.ts	Method	TBLASTX:Soybean
Start	23412	End	23757
GI	none	Score	314
Exons	23412..23612, 23413..23757		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o6.tm	Method	TBLASTX:Maize
Start	23568	End	23907
GI	none	Score	318
Exons	23568..23906, 23569..23907		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o3.tw	Method	TBLASTX:Wheat
Start	23763	End	24239
GI	none	Score	101
Exons	23763..23834, 23764..23838, 23852..24160, 23853..24239, 23854..24201		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9461	Strand	
Start	22879	End	24239
Name	OJ990412_07.9923.C18.o6.ts	Method	TBLASTX:Soybean
Start	23770	End	24111
GI	none	Score	91
Exons	23770..23883, 23796..23876, 23902..24111, 23907..24032		

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9462	Strand	
Start	27978	End	28931
Name	OJ990412_07.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	27978	End	28931
GI	none	Score	65
Exons	27978..28046, 27983..28090, 27983..28090, 27996..28046, 28002..28046, 28002..28046, 28002..28046, 28002..28046, 28002..28046, 28035..28235, 28040..28258, 28040..28258, 28040..28258, 28040..28246, 28040..28255, 28040..28255, 28040..28222, 28040..28258, 28040..28258, 28041..28247, 28053..28187, 28102..28257, 28102..28257, 28102..28257, 28102..28257, 28102..28221, 28102..28257, 28170..28259, 28223..28258, 28254..28331, 28254..28331, 28254..28331, 28254..28331, 28254..28331, 28254..28331, 28259..28336, 28259..28336, 28259..28336, 28259..28336, 28259..28336, 28332..28346, 28332..28352, 28332..28346, 28332..28346, 28332..28346, 28354..28881, 28354..28881, 28354..28680, 28354..28878, 28354..28878, 28355..28879, 28355..28879, 28355..28681, 28355..28879, 28355..28879, 28453..28881, 28454..28879, 28454..28921, 28585..28905, 28585..28905, 28585..28926, 28585..28908, 28585..28692, 28588..28908, 28620..28922, 28620..28916, 28623..28922, 28652..28921, 28681..28908, 28683..28922, 28683..28922,		

28728..28922, 28833..28931

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9462	Strand	
Start	27978	End	28931
Name	OJ990412_07.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	27978	End	28926
GI	none	Score	62

Exons: 27978..28037, 27994..28038, 27999..28046, 27999..28037, 28001..28090, 28001..28090, 28002..28046, 28002..28046, 28035..28235, 28035..28199, 28035..28205, 28040..28258, 28040..28258, 28040..28222, 28040..28225, 28042..28257, 28042..28224, 28042..28257, 28223..28258, 28223..28258, 28232..28336, 28232..28336, 28253..28336, 28254..28331, 28254..28331, 28254..28331, 28332..28352, 28332..28541, 28332..28349, 28351..28881, 28351..28683, 28355..28684, 28355..28879, 28453..28881, 28454..28879, 28594..28926, 28614..28910, 28623..28907, 28681..28908, 28682..28921

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9462	Strand	
Start	27978	End	28931
Name	OJ990412_07.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	27996	End	28931
GI	none	Score	63

Exons: 27996..28046, 28002..28046, 28002..28046, 28002..28046, 28002..28046, 28035..28187, 28035..28247, 28040..28258, 28040..28258, 28040..28258, 28040..28258, 28040..28228, 28040..28252, 28040..28222, 28042..28257, 28042..28257, 28102..28257, 28102..28257, 28222..28257, 28223..28258, 28238..28312, 28253..28336, 28254..28331, 28254..28331, 28254..28331, 28254..28331, 28254..28331, 28257..28334, 28259..28336, 28259..28336, 28259..28336, 28259..28336, 28332..28346, 28332..28346, 28332..28346, 28352..28528, 28352..28528, 28354..28509, 28354..28884, 28354..28884, 28354..28884, 28354..28680, 28355..28879, 28355..28879, 28355..28879, 28355..28681, 28453..28884, 28454..28879, 28594..28908, 28606..28908, 28606..28926, 28607..28915, 28610..28921, 28612..28905, 28614..28931, 28623..28916, 28623..28889, 28635..28904, 28677..28916, 28677..28907, 28680..28916, 28681..28908, 28755..28919

Seq. No.	4523	Seq. ID	OJ990412_07.9923.C18
Gene No.	9462	Strand	
Start	27978	End	28931
Name	OJ990412_07.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	28001	End	28926
GI	none	Score	61

Exons: 28001..28090, 28001..28090, 28001..28075, 28002..28046, 28002..28046, 28002..28046, 28002..28046, 28026..28247, 28026..28241, 28038..28241, 28038..28106, 28040..28258, 28040..28258, 28040..28105, 28040..28258, 28040..28258, 28040..28255, 28040..28258, 28042..28257, 28099..28266, 28132..28257, 28133..28258, 28253..28336, 28253..28336, 28253..28336, 28253..28336, 28254..28331, 28254..28331, 28254..28331, 28254..28325, 28332..28349, 28332..28352, 28332..28349, 28352..28792, 28354..28881, 28354..28794,

28355..28792, 28355..28879, 28363..28881, 28364..28879,
28376..28921, 28585..28908, 28591..28926, 28594..28908,
28594..28794, 28614..28916, 28617..28916

Seq. No.	4524	Seq. ID	OJ990412_07.9923.C19
Gene No.	9463	Strand	+
Start	1	End	249
Name	OJ990412_07.9923.C19.o1.np	Method	AAT/NAP
Start	1	End	249
GI	6539553	Score	307
Exons	1..249		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4524	Seq. ID	OJ990412_07.9923.C19
Gene No.	9463	Strand	+
Start	1	End	249
Name	OJ990412_07.9923.C19.o1.gs	Method	GENSCAN
Start	87	End	248
GI	none	Score	.67
Exons	87..248		

Seq. No.	4525	Seq. ID	OJ990412_07.9923.C20
Gene No.	9464	Strand	-
Start	1	End	708
Name	OJ990412_07.9923.C20.o1.np	Method	AAT/NAP
Start	1	End	708
GI	480737	Score	73
Exons	1..24, 469..708		
GI Descrip.	triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco gi|629694|pir||S42583 phosphate translocator - common tobacco gi|403023|emb|CAA52979.1| (X75088) phosphate translocator [Nicotiana tabacum]		

Seq. No.	4526	Seq. ID	OJ990412_07.9923.C21
Gene No.	9465	Strand	-
Start	1	End	378
Name	OJ990412_07.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	378
GI	2160156	Score	381
Exons	1..378		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb|Z73100). [Arabidopsis thaliana]		

Seq. No.	4526	Seq. ID	OJ990412_07.9923.C21
Gene No.	9465	Strand	-
Start	1	End	378
Name	OJ990412_07.9923.C21.o1.tc	Method	TBLASTX:Cress
Start	92	End	370
GI	none	Score	201
Exons	92..370, 94..369		

Seq. No.	4526	Seq. ID	OJ990412_07.9923.C21
Gene No.	9465	Strand	-
Start	1	End	378

Name	OJ990412_07.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	106	End	363
GI	none	Score	140
Exons	106..264, 110..265, 256..363,	260..361	

Seq. No.	4527	Seq. ID	OJ990412_07.9923.C22
Gene No.	9466	Strand	+
Start	359	End	581
Name	OJ990412_07.9923.C22.o1.gs	Method	GENSCAN
Start	359	End	581
GI	none	Score	.86
Exons	359..581		

Seq. No.	4528	Seq. ID	OJ990412_07.9923.C23
Gene No.	9467	Strand	-
Start	1	End	417
Name	OJ990412_07.9923.C23.o1.gp	Method	AAT/GAP
Start	1	End	206
GI	1036974	Score	369
Exons	1..206		

Seq. No.	4528	Seq. ID	OJ990412_07.9923.C23
Gene No.	9467	Strand	-
Start	1	End	417
Name	OJ990412_07.9923.C23.o1.np	Method	AAT/NAP
Start	1	End	417
GI	6091722	Score	149
Exons	1..33, 101..214, 298..417		
GI Descrip.	(AC010797) putative ribosomal protein L13 [Arabidopsis thaliana]		

Seq. No.	4528	Seq. ID	OJ990412_07.9923.C23
Gene No.	9467	Strand	-
Start	1	End	417
Name	OJ990412_07.9923.C23.o1.tc	Method	TBLASTX:Cress
Start	60	End	372
GI	none	Score	89
Exons	60..218, 104..220, 110..214,	295..372,	296..370

Seq. No.	4528	Seq. ID	OJ990412_07.9923.C23
Gene No.	9467	Strand	-
Start	1	End	417
Name	OJ990412_07.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	99	End	372
GI	none	Score	155
Exons	99..215, 100..216, 101..220,	101..214,	295..369, 295..372

Seq. No.	4529	Seq. ID	OJ990412_07.9923.C24
Gene No.	9468	Strand	-
Start	78	End	517
Name	OJ990412_07.9923.C24.o1.gs	Method	GENSCAN
Start	78	End	326
GI	none	Score	.89
Exons	78..326		

Seq. No.	4529	Seq. ID	OJ990412_07.9923.C24
Gene No.	9468	Strand	-
Start	78	End	517

Name	OJ990412_07.9923.C24.o1.gp	Method	AAT/GAP
Start	176	End	517
GI	2427747	Score	676
Exons	176..517		

Seq. No.	4530	Seq. ID	OJ990412_07.9923.C25
Gene No.	9469	Strand	+
Start	51	End	890
Name	OJ990412_07.9923.C25.o1.gs	Method	GENSCAN
Start	51	End	447
GI	none	Score	.74
Exons	51..149, 337..447		

Seq. No.	4530	Seq. ID	OJ990412_07.9923.C25
Gene No.	9469	Strand	+
Start	51	End	890
Name	OJ990412_07.9923.C25.o1.np	Method	AAT/NAP
Start	134	End	890
GI	6091722	Score	143
Exons	134..253, 337..444, 811..890		
GI Descrip.	(AC010797) putative ribosomal protein L13 [Arabidopsis thaliana]		

Seq. No.	4530	Seq. ID	OJ990412_07.9923.C25
Gene No.	9469	Strand	+
Start	51	End	890
Name	OJ990412_07.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	179	End	491
GI	none	Score	103
Exons	179..256, 181..255, 331..447, 333..491, 337..441		

Seq. No.	4530	Seq. ID	OJ990412_07.9923.C25
Gene No.	9469	Strand	+
Start	51	End	890
Name	OJ990412_07.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	179	End	452
GI	none	Score	114
Exons	179..256, 182..256, 331..450, 336..452, 337..450		

Seq. No.	4530	Seq. ID	OJ990412_07.9923.C25
Gene No.	9469	Strand	+
Start	51	End	890
Name	OJ990412_07.9923.C25.o1.gp	Method	AAT/GAP
Start	345	End	593
GI	1036974	Score	436
Exons	345..593		

Seq. No.	4531	Seq. ID	OJ990412_07.9923.C26
Gene No.	9470	Strand	+
Start	83	End	542
Name	OJ990412_07.9923.C26.o1.gs	Method	GENSCAN
Start	83	End	542
GI	none	Score	.62
Exons	83..198, 471..542		

Seq. No.	4532	Seq. ID	OJ990412_07.9923.C29
Gene No.	9471	Strand	+
Start	84	End	276

Name	OJ990412_07.9923.C29.o1.np	Method	AAT/NAP
Start	84	End	197
GI	1352200	Score	104
Exons	84..197		
GI Descrip.	TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, CHLOROPLAST PRECURSOR (CTPT) gi|480909|pir||S37497 triose phosphate/3-phosphoglycerate/phosphate translocator - maize gi|405635|emb|CAA81349| (Z26595) triose phosphate/phosphate translocator [Zea mays]		

Seq. No.	4532	Seq. ID	OJ990412_07.9923.C29
Gene No.	9471	Strand	+
Start	84	End	276
Name	OJ990412_07.9923.C29.o1.gp	Method	AAT/GAP
Start	85	End	185
GI	uC-osflcyp174c09b1	Score	158
Exons	85..185		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	4532	Seq. ID	OJ990412_07.9923.C29
Gene No.	9471	Strand	+
Start	84	End	276
Name	OJ990412_07.9923.C29.o1.gs	Method	GENSCAN
Start	85	End	276
GI	none	Score	.87
Exons	85..185, 259..276		

Seq. No.	4533	Seq. ID	OJ990412_07.9923.C30
Gene No.	9472	Strand	+
Start	112	End	567
Name	OJ990412_07.9923.C30.o1.gs	Method	GENSCAN
Start	112	End	567
GI	none	Score	.69
Exons	112..192, 321..381, 496..567		

Seq. No.	4534	Seq. ID	OJ990412_07.9923.C32
Gene No.	9473	Strand	+
Start	72	End	516
Name	OJ990412_07.9923.C32.o1.gs	Method	GENSCAN
Start	72	End	516
GI	none	Score	.46
Exons	72..516		

Seq. No.	4535	Seq. ID	OJ990412_07.9923.C33
Gene No.	9474	Strand	+
Start	93	End	582
Name	OJ990412_07.9923.C33.o1.gs	Method	GENSCAN
Start	93	End	582
GI	none	Score	.67
Exons	93..153, 159..296, 551..582		

Seq. No.	4535	Seq. ID	OJ990412_07.9923.C33
Gene No.	9475	Strand	-

Start	1713	End	3610
Name	OJ990412_07.9923.C33.o1.np	Method	AAT/NAP
Start	1713	End	3610
GI	4581143	Score	352
Exons	1713..2960, 3516..3610		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4535	Seq. ID	OJ990412_07.9923.C33
Gene No.	9475	Strand	-
Start	1713	End	3610
Name	OJ990412_07.9923.C33.o2.gs	Method	GENSCAN
Start	1713	End	3047
GI	none	Score	.97
Exons	1713..3047		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9476	Strand	+
Start	1	End	5005
Name	OJ990412_07.9923.C35.o1.np	Method	AAT/NAP
Start	1	End	4812
GI	6466937	Score	2332
Exons	1..105, 232..4481, 4766..4812		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9476	Strand	+
Start	1	End	5005
Name	OJ990412_07.9923.C35.o1.gs	Method	GENSCAN
Start	147	End	5005
GI	none	Score	.4
Exons	147..673, 864..949, 1042..4265, 4829..5005		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o3.ts	Method	TBLASTX:Soybean
Start	1686	End	2000
GI	none	Score	236
Exons	1686..2000, 1796..1999, 1797..2000		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o4.tm	Method	TBLASTX:Maize
Start	1701	End	2186
GI	none	Score	464
Exons	1701..2186, 1761..1913, 1787..1957, 1985..2182		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o1.tw	Method	TBLASTX:Wheat
Start	1761	End	2132
GI	none	Score	372
Exons	1761..2132, 1802..2128		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o1.tc	Method	TBLASTX:Cress
Start	1779	End	2102
GI	none	Score	185
Exons	1779..2102		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o2.ts	Method	TBLASTX:Soybean
Start	2109	End	2459
GI	none	Score	325
Exons	2109..2459, 2114..2182, 2228..2455		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o4.tw	Method	TBLASTX:Wheat
Start	2181	End	2579
GI	none	Score	239
Exons	2181..2459, 2228..2455, 2307..2459, 2451..2579		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o3.tm	Method	TBLASTX:Maize
Start	2211	End	2747
GI	none	Score	262
Exons	2211..2435, 2216..2455, 2226..2456, 2451..2651, 2463..2747, 2489..2710		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o4.ts	Method	TBLASTX:Soybean
Start	2489	End	2732
GI	none	Score	212
Exons	2489..2638, 2490..2732		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o7.tw	Method	TBLASTX:Wheat
Start	2589	End	2909
GI	none	Score	202
Exons	2589..2909		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o8.tm	Method	TBLASTX:Maize
Start	2748	End	3155
GI	none	Score	112
Exons	2748..2903, 2922..3155		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o5.tw	Method	TBLASTX:Wheat
Start	2943	End	3329
GI	none	Score	275
Exons	2943..3329		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	3162	End	3797
GI	none	Score	620
Exons	3162..3797, 3164..3559, 3336..3749, 3608..3796		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	3183	End	3569
GI	none	Score	334
Exons	3183..3569, 3215..3475		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o3.tw	Method	TBLASTX:Wheat
Start	3417	End	4010
GI	none	Score	266
Exons	3417..3797, 3864..4010		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o5.tm	Method	TBLASTX:Maize
Start	3864	End	4444
GI	none	Score	274
Exons	3864..4244, 3923..4162, 4239..4421, 4277..4444		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o8.tw	Method	TBLASTX:Wheat
Start	4014	End	4274
GI	none	Score	188
Exons	4014..4274, 4061..4159		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o3.np	Method	AAT/NAP
Start	4946	End	7374
GI	4539357	Score	388
Exons	4946..5034, 6566..7374		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o6.tm	Method	TBLASTX:Maize
Start	5603	End	5897
GI	none	Score	86
Exons	5603..5893, 5622..5762, 5696..5818, 5790..5897		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o6.tw	Method	TBLASTX:Wheat
Start	5973	End	6340
GI	none	Score	162
Exons	5973..6230, 5975..6076, 6149..6340, 6179..6340		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o7.tm	Method	TBLASTX:Maize
Start	6167	End	6496
GI	none	Score	69
Exons	6167..6496, 6177..6329, 6390..6467		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o2.tm	Method	TBLASTX:Maize
Start	6501	End	7196
GI	none	Score	96
Exons	6501..7196, 6574..6711, 6778..6840, 6916..7173, 7041..7181		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o9.tw	Method	TBLASTX:Wheat
Start	6547	End	6833
GI	none	Score	70
Exons	6547..6711, 6558..6710, 6715..6831, 6720..6833		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o2.np	Method	AAT/NAP
Start	6566	End	7374
GI	4755191	Score	366
Exons	6566..7374		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	4536	Seq. ID	OJ990412_07.9923.C35
Gene No.	9477	Strand	-
Start	4946	End	7374
Name	OJ990412_07.9923.C35.o2.tw	Method	TBLASTX:Wheat
Start	6834	End	7142
GI	none	Score	65
Exons	6834..7142, 6911..7096, 6928..7122		

Seq. No.	4537	Seq. ID	OJ990412_07.9923.C36
Gene No.	9478	Strand	-
Start	153	End	806
Name	OJ990412_07.9923.C36.o1.tw	Method	TBLASTX:Wheat
Start	151	End	503
GI	none	Score	136
Exons	151..360, 159..374, 177..389, 375..503, 376..498		

Seq. No.	4537	Seq. ID	OJ990412_07.9923.C36
Gene No.	9478	Strand	-
Start	153	End	806
Name	OJ990412_07.9923.C36.o1.gs	Method	GENSCAN
Start	153	End	806
GI	none	Score	.96
Exons	153..806		

Seq. No.	4538	Seq. ID	OJ990412_07.9923.C37
Gene No.	9479	Strand	
Start	4	End	356
Name	OJ990412_07.9923.C37.o1.tw	Method	TBLASTX:Wheat
Start	4	End	356
GI	none	Score	110
Exons	4..132, 9..131, 118..330, 133..348, 147..356		

Seq. No.	4538	Seq. ID	OJ990412_07.9923.C37
Gene No.	9480	Strand	
Start	357	End	782
Name	OJ990412_07.9923.C37.o1.tm	Method	TBLASTX:Maize
Start	357	End	782
GI	none	Score	53
Exons	357..398, 411..782		

Seq. No.	4539	Seq. ID	OJ990412_07.9923.C38
Gene No.	9481	Strand	+
Start	1	End	1222
Name	OJ990412_07.9923.C38.o1.np	Method	AAT/NAP
Start	1	End	1222
GI	4680183	Score	202
Exons	1..243, 1059..1222		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4539	Seq. ID	OJ990412_07.9923.C38
Gene No.	9481	Strand	+
Start	1	End	1222
Name	OJ990412_07.9923.C38.o1.gs	Method	GENSCAN
Start	48	End	715
GI	none	Score	.98
Exons	48..302, 439..477, 590..715		

Seq. No.	4540	Seq. ID	OJ990412_07.9923.C39
Gene No.	9482	Strand	-
Start	443	End	1105
Name	OJ990412_07.9923.C39.o1.gs	Method	GENSCAN
Start	443	End	1015
GI	none	Score	.91
Exons	443..1015		

Seq. No.	4540	Seq. ID	OJ990412_07.9923.C39
Gene No.	9482	Strand	-
Start	443	End	1105
Name	OJ990412_07.9923.C39.o1.tm	Method	TBLASTX:Maize
Start	890	End	1105
GI	none	Score	63
Exons	890..1084, 890..1105, 924..1094		

Seq. No.	4541	Seq. ID	OJ990412_07.9923.C40
Gene No.	9483	Strand	+
Start	1	End	2836
Name	OJ990412_07.9923.C40.o1.np	Method	AAT/NAP
Start	1	End	2836
GI	4680183	Score	50
Exons	1..62, 2670..2836		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4541	Seq. ID	OJ990412_07.9923.C40
Gene No.	9484	Strand	-
Start	448	End	1464
Name	OJ990412_07.9923.C40.o1.gs	Method	GENSCAN
Start	448	End	1464
GI	none	Score	.56
Exons	448..1464		

Seq. No.	4541	Seq. ID	OJ990412_07.9923.C40
Gene No.	9485	Strand	-
Start	4748	End	4804
Name	OJ990412_07.9923.C40.o2.gs	Method	GENSCAN
Start	4748	End	4804
GI	none	Score	.62
Exons	4748..4804		

Seq. No.	4542	Seq. ID	OJ990412_07.9923.C41
Gene No.	9486	Strand	+
Start	5307	End	5718
Name	OJ990412_07.9923.C41.o2.np	Method	AAT/NAP
Start	5307	End	5718
GI	81286	Score	61
Exons	5307..5718		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	4542	Seq. ID	OJ990412_07.9923.C41
Gene No.	9487	Strand	-
Start	1	End	4157
Name	OJ990412_07.9923.C41.o1.np	Method	AAT/NAP
Start	1	End	4097
GI	5922620	Score	128
Exons	1..40, 1156..1359, 1540..1658, 3926..4097		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4542	Seq. ID	OJ990412_07.9923.C41
Gene No.	9487	Strand	-
Start	1	End	4157
Name	OJ990412_07.9923.C41.o1.gs	Method	GENSCAN
Start	305	End	4157
GI	none	Score	.55
Exons	305..361, 1195..1331, 1406..1523, 1607..1674, 1731..1861, 2132..2510, 2820..2908, 3037..3214, 3528..3552, 3797..4054, 4146..4157		

Seq. No.	4543	Seq. ID	OJ990412_07.9923.C42
Gene No.	9488	Strand	+
Start	1	End	1032
Name	OJ990412_07.9923.C42.o1.np	Method	AAT/NAP
Start	1	End	1032
GI	3080370	Score	230
Exons	1..59, 487..597, 707..821, 951..1032		
GI Descrip.	(AL022580) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4543	Seq. ID	OJ990412_07.9923.C42
Gene No.	9489	Strand	-
Start	3327	End	3878
Name	OJ990412_07.9923.C42.o2.gs	Method	GENSCAN
Start	3327	End	3878
GI	none	Score	.49
Exons	3327..3366, 3550..3878		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9490	Strand	+
Start	1156	End	1547
Name	OJ990412_07.9923.C43.o1.gs	Method	GENSCAN
Start	1156	End	1547
GI	none	Score	.46
Exons	1156..1242, 1536..1547		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o2.gs	Method	GENSCAN
Start	2243	End	10659
GI	none	Score	.68
Exons	2243..2335, 4640..4740, 4910..5009, 5310..5426, 7514..7591, 7688..7800, 8813..8896, 10547..10659		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o1.gp	Method	AAT/GAP
Start	3904	End	5396
GI	uC-osflcyp174c09b1	Score	910
Exons	3904..4110, 4640..4740, 4910..5009, 5310..5396		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o1.np	Method	AAT/NAP
Start	4628	End	10659
GI	1352200	Score	1119
Exons	4628..4740, 4910..5009, 5310..5426, 7514..7591, 7688..7800, 8622..8717, 8813..8933, 10240..10318, 10413..10478, 10591..10659		
GI Descrip.	TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, CHLOROPLAST PRECURSOR (CTPT). gi|480909|pir||S37497 triose phosphate/3-phosphoglycerate/phosphate translocator - maize gi|405635|emb|CAA81349| (Z26595) triose phosphate/phosphate translocator [Zea mays]		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o2.tm	Method	TBLASTX:Maize
Start	4637	End	5427
GI	none	Score	76
Exons	4637..4741, 4637..4741, 4653..4742, 4906..5016, 4908..5012, 4909..5046, 4910..5020, 5287..5427, 5310..5426		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o1.tc	Method	TBLASTX:Cress
Start	4643	End	7804
GI	none	Score	97
Exons	4643..4687, 4688..4741, 4908..5024, 4909..5010, 5319..5426, 5329..5424, 7511..7597, 7512..7592, 7688..7804, 7689..7802		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o1.ts	Method	TBLASTX:Soybean
Start	4643	End	10650
GI	none	Score	128
Exons	4643..4741, 4665..4742, 4828..4860, 4906..5016, 4908..5012, 5307..5426, 5308..5424, 7511..7597, 7515..7592, 7688..7801, 7689..7802, 8590..8724, 8594..8728, 8620..8724, 8811..8915, 8815..8934, 8874..8933, 10240..10317, 10241..10318, 10397..10486, 10398..10478, 10412..10480, 10587..10628, 10587..10649, 10588..10650		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o1.tm	Method	TBLASTX:Maize
Start	7511	End	10659
GI	none	Score	114
Exons	7511..7597, 7515..7592, 7688..7801, 7689..7802, 8620..8724, 8621..8728, 8811..8930, 8815..8934, 8815..8934, 10240..10317, 10241..10318, 10398..10478, 10406..10486, 10412..10480, 10437..10490, 10580..10651, 10586..10642, 10587..10658, 10588..10659		

Seq. No.	4544	Seq. ID	OJ990412_07.9923.C43
Gene No.	9491	Strand	-
Start	2243	End	10659
Name	OJ990412_07.9923.C43.o2.tc	Method	TBLASTX:Cress
Start	8620	End	10647
GI	none	Score	110
Exons	8620..8724, 8621..8728, 8815..8934, 8874..8933, 10240..10317, 10241..10318, 10397..10486, 10398..10478, 10587..10646, 10588..10647		

Seq. No.	4545	Seq. ID	OJ990412_07.9923.C44
Gene No.	9492	Strand	+
Start	195	End	1056
Name	OJ990412_07.9923.C44.o1.gs	Method	GENSCAN
Start	195	End	1056
GI	none	Score	.52
Exons	195..320, 916..1056		

Seq. No.	4546	Seq. ID	OJ990412_07.9923.C46
Gene No.	9493	Strand	-
Start	181	End	588
Name	OJ990412_07.9923.C46.o1.gs	Method	GENSCAN
Start	181	End	588
GI	none	Score	.57
Exons	181..588		

Seq. No.	4547	Seq. ID	OJ990412_07.9923.C47
Gene No.	9494	Strand	+
Start	166	End	333
Name	OJ990412_07.9923.C47.o1.gs	Method	GENSCAN
Start	166	End	333
GI	none	Score	.58
Exons	166..333		

Seq. No.	4548	Seq. ID	OJ990412_07.9923.C49
Gene No.	9495	Strand	-
Start	1	End	556
Name	OJ990412_07.9923.C49.o1.np	Method	AAT/NAP
Start	1	End	550
GI	6539553	Score	818
Exons	1..550		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4548	Seq. ID	OJ990412_07.9923.C49
Gene No.	9495	Strand	-
Start	1	End	556
Name	OJ990412_07.9923.C49.o1.tm	Method	TBLASTX:Maize
Start	108	End	421
GI	none	Score	291
Exons	108..413, 110..421		

Seq. No.	4548	Seq. ID	OJ990412_07.9923.C49
Gene No.	9495	Strand	-
Start	1	End	556

Name	OJ990412_07.9923.C49.o1.gs	Method	GENSCAN
Start	142	End	550
GI	none	Score	.91
Exons	142..550		

Seq. No.	4548	Seq. ID	OJ990412_07.9923.C49
Gene No.	9495	Strand	-
Start	1	End	556
Name	OJ990412_07.9923.C49.o1.tw	Method	TBLASTX:Wheat
Start	170	End	556
GI	none	Score	252
Exons	170..556, 171..545		

Seq. No.	4549	Seq. ID	OJ990412_07.9923.C50
Gene No.	9496	Strand	-
Start	120	End	480
Name	OJ990412_07.9923.C50.o1.gs	Method	GENSCAN
Start	120	End	480
GI	none	Score	.74
Exons	120..377, 469..480		

Seq. No.	4550	Seq. ID	OJ990412_07.9923.C51
Gene No.	9497	Strand	+
Start	1	End	693
Name	OJ990412_07.9923.C51.o1.np	Method	AAT/NAP
Start	1	End	693
GI	6466937	Score	476
Exons	1..693		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4550	Seq. ID	OJ990412_07.9923.C51
Gene No.	9497	Strand	+
Start	1	End	693
Name	OJ990412_07.9923.C51.o1.tm	Method	TBLASTX:Maize
Start	33	End	477
GI	none	Score	489
Exons	33..239, 34..477, 34..429, 288..476		

Seq. No.	4550	Seq. ID	OJ990412_07.9923.C51
Gene No.	9497	Strand	+
Start	1	End	693
Name	OJ990412_07.9923.C51.o1.tw	Method	TBLASTX:Wheat
Start	97	End	477
GI	none	Score	266
Exons	97..477, 189..347		

Seq. No.	4550	Seq. ID	OJ990412_07.9923.C51
Gene No.	9497	Strand	+
Start	1	End	693
Name	OJ990412_07.9923.C51.o1.ts	Method	TBLASTX:Soybean
Start	105	End	360
GI	none	Score	145
Exons	105..284, 106..282, 255..332, 262..339, 325..360		

Seq. No.	4551	Seq. ID	OJ990412_07.9923.C52
Gene No.	9498	Strand	+

Start	274	End	412
Name	OJ990412_07.9923.C52.o1.gs	Method	GENSCAN
Start	274	End	412
GI	none	Score	.43
Exons	274..412		

Seq. No.	4552	Seq. ID	OJ990412_07.9923.C55
Gene No.	9499	Strand	+
Start	260	End	768
Name	OJ990412_07.9923.C55.o1.gs	Method	GENSCAN
Start	260	End	768
GI	none	Score	.91
Exons	260..768		

Seq. No.	4553	Seq. ID	OJ990412_07.9923.C56
Gene No.	9500	Strand	-
Start	533	End	959
Name	OJ990412_07.9923.C56.o1.np	Method	AAT/NAP
Start	533	End	959
GI	6063554	Score	185
Exons	533..706, 810..959		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4554	Seq. ID	OJ990412_07.9923.C57
Gene No.	9501	Strand	-
Start	1	End	197
Name	OJ990412_07.9923.C57.o1.gp	Method	AAT/GAP
Start	1	End	197
GI	uC-osflcyp174c09b1	Score	344
Exons	1..197		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	4555	Seq. ID	OJ990412_07.9923.C58
Gene No.	9502	Strand	+
Start	1	End	320
Name	OJ990412_07.9923.C58.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6539553	Score	503
Exons	1..320		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4555	Seq. ID	OJ990412_07.9923.C58
Gene No.	9502	Strand	+
Start	1	End	320
Name	OJ990412_07.9923.C58.o1.tw	Method	TBLASTX:Wheat
Start	15	End	184
GI	none	Score	195
Exons	15..149, 17..184, 18..146		

Seq. No.	4555	Seq. ID	OJ990412_07.9923.C58
Gene No.	9502	Strand	+
Start	1	End	320
Name	OJ990412_07.9923.C58.o1.gs	Method	GENSCAN
Start	48	End	319
GI	none	Score	.67
Exons	48..110, 158..319		

Seq. No.	4556	Seq. ID	OJ990412_07.9923.C59
Gene No.	9503	Strand	+
Start	1777	End	1845
Name	OJ990412_07.9923.C59.o1.gs	Method	GENSCAN
Start	1777	End	1845
GI	none	Score	.42
Exons	1777..1845		

Seq. No.	4557	Seq. ID	OJ990412_07.9923.C60
Gene No.	9504	Strand	-
Start	123	End	694
Name	OJ990412_07.9923.C60.o1.gs	Method	GENSCAN
Start	123	End	694
GI	none	Score	.9
Exons	123..197, 536..694		

Seq. No.	4558	Seq. ID	OJ990402_06.9922.C3
Gene No.	9505	Strand	-
Start	1	End	720
Name	OJ990402_06.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	720
GI	729704	Score	54
Exons	1..66, 279..340, 533..720		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	4558	Seq. ID	OJ990402_06.9922.C3
Gene No.	9505	Strand	-
Start	1	End	720
Name	OJ990402_06.9922.C3.o1.gs	Method	GENSCAN
Start	329	End	662
GI	none	Score	.9
Exons	329..662		

Seq. No.	4559	Seq. ID	OJ990402_06.9922.C4
Gene No.	9506	Strand	-
Start	748	End	1617
Name	OJ990402_06.9922.C4.o1.gs	Method	GENSCAN
Start	748	End	1617
GI	none	Score	.85
Exons	748..903, 1012..1617		

Seq. No.	4560	Seq. ID	OJ990402_06.9922.C5
Gene No.	9507	Strand	+
Start	13	End	354
Name	OJ990402_06.9922.C5.o1.gs	Method	GENSCAN

Start	13	End	354
GI	none	Score	.71
Exons	13..354		

Seq. No.	4561	Seq. ID	OJ990402_06.9922.C6
Gene No.	9508	Strand	+
Start	135	End	241
Name	OJ990402_06.9922.C6.o1.gs	Method	GENSCAN
Start	135	End	241
GI	none	Score	.83
Exons	135..241		

Seq. No.	4562	Seq. ID	OJ990402_06.9922.C8
Gene No.	9509	Strand	-
Start	1	End	477
Name	OJ990402_06.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	477
GI	5042447	Score	372
Exons	1..477		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4562	Seq. ID	OJ990402_06.9922.C8
Gene No.	9509	Strand	-
Start	1	End	477
Name	OJ990402_06.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	317
GI	none	Score	124
Exons	2..316, 3..317		

Seq. No.	4562	Seq. ID	OJ990402_06.9922.C8
Gene No.	9509	Strand	-
Start	1	End	477
Name	OJ990402_06.9922.C8.o1.gs	Method	GENSCAN
Start	141	End	388
GI	none	Score	.77
Exons	141..388		

Seq. No.	4563	Seq. ID	OJ990402_06.9922.C9
Gene No.	9510	Strand	-
Start	1	End	1233
Name	OJ990402_06.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1233
GI	4680179	Score	780
Exons	1..548, 1189..1233		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4563	Seq. ID	OJ990402_06.9922.C9
Gene No.	9510	Strand	-
Start	1	End	1233
Name	OJ990402_06.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	5	End	420
GI	none	Score	203
Exons	5..109, 99..182, 181..420		

Seq. No.	4563	Seq. ID	OJ990402_06.9922.C9
Gene No.	9510	Strand	-
Start	1	End	1233

Name	OJ990402_06.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	99	End	529
GI	none	Score	100
Exons	99..209, 109..204, 205..411, 205..420, 218..529, 475..525		

Seq. No.	4563	Seq. ID	OJ990402_06.9922.C9
Gene No.	9510	Strand	-
Start	1	End	1233
Name	OJ990402_06.9922.C9.o1.gs	Method	GENSCAN
Start	193	End	543
GI	none	Score	.66
Exons	193..543		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9511	Strand	+
Start	272	End	832
Name	OJ990402_06.9922.C10.o1.np	Method	AAT/NAP
Start	272	End	829
GI	5042448	Score	482
Exons	272..829		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9511	Strand	+
Start	272	End	832
Name	OJ990402_06.9922.C10.o1.gs	Method	GENSCAN
Start	293	End	832
GI	none	Score	.93
Exons	293..832		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o2.np	Method	AAT/NAP
Start	1088	End	5482
GI	4680179	Score	3801
Exons	1088..3640, 5392..5482		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o2.gs	Method	GENSCAN
Start	1104	End	3652
GI	none	Score	.8
Exons	1104..1154, 1171..1336, 1729..2046, 2187..2284, 2566..2883, 2971..3176, 3193..3652		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	1590	End	1958
GI	none	Score	245
Exons	1590..1958, 1595..1771, 1626..1796, 1913..1954		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	1593	End	1889
GI	none	Score	198
Exons	1593..1889, 1593..1877		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	2233	End	2649
GI	none	Score	151
Exons	2233..2442, 2283..2381, 2467..2649, 2493..2648		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	2812	End	3292
GI	none	Score	405
Exons	2812..3204, 2889..3197, 3197..3292		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	2824	End	3113
GI	none	Score	278
Exons	2824..3111, 2920..3111, 2922..3113		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	3197	End	3640
GI	none	Score	146
Exons	3197..3358, 3344..3640, 3430..3558, 3586..3636		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	3233	End	3628
GI	none	Score	57
Exons	3233..3265, 3269..3628, 3270..3413, 3275..3499, 3379..3627		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10
Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	3341	End	3642
GI	none	Score	387
Exons	3341..3637, 3341..3634, 3385..3642		

Seq. No.	4564	Seq. ID	OJ990402_06.9922.C10

Gene No.	9512	Strand	+
Start	1104	End	5482
Name	OJ990402_06.9922.C10.o3.gs	Method	GENSCAN
Start	4674	End	5356
GI	none	Score	.61
Exons	4674..4705, 4840..4957, 5206..5356		

Seq. No.	4565	Seq. ID	OJ990402_06.9922.C11
Gene No.	9513	Strand	+
Start	1	End	383
Name	OJ990402_06.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	383
GI	4680186	Score	182
Exons	1..25, 180..383		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4565	Seq. ID	OJ990402_06.9922.C11
Gene No.	9514	Strand	-
Start	773	End	1713
Name	OJ990402_06.9922.C11.o2.np	Method	AAT/NAP
Start	773	End	1713
GI	6907087	Score	354
Exons	773..874, 1414..1713		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4566	Seq. ID	OJ990402_06.9922.C12
Gene No.	9515	Strand	-
Start	1	End	2973
Name	OJ990402_06.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	2194
GI	6907087	Score	603
Exons	1..350, 384..767, 1445..1748, 2122..2194		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4566	Seq. ID	OJ990402_06.9922.C12
Gene No.	9515	Strand	-
Start	1	End	2973
Name	OJ990402_06.9922.C12.o1.gs	Method	GENSCAN
Start	291	End	2834
GI	none	Score	.57
Exons	291..736, 779..899, 1445..1595, 2707..2834		

Seq. No.	4566	Seq. ID	OJ990402_06.9922.C12
Gene No.	9515	Strand	-
Start	1	End	2973
Name	OJ990402_06.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	602	End	2960
GI	none	Score	54
Exons	602..694, 856..975, 2485..2607, 2485..2619, 2501..2629, 2775..2960, 2790..2960		

Seq. No.	4566	Seq. ID	OJ990402_06.9922.C12
Gene No.	9515	Strand	-

Start	1	End	2973
Name	OJ990402_06.9922.C12.o2.np	Method	AAT/NAP
Start	2596	End	2973
GI	5902444	Score	196
Exons	2596..2973		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4567	Seq. ID	OJ990402_06.9922.C13
Gene No.	9516	Strand	+
Start	540	End	2945
Name	OJ990402_06.9922.C13.o2.gp	Method	AAT/GAP
Start	540	End	925
GI	uC-osflcyp033a04b1	Score	669
Exons	540..925		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4567	Seq. ID	OJ990402_06.9922.C13
Gene No.	9516	Strand	+
Start	540	End	2945
Name	OJ990402_06.9922.C13.o1.gs	Method	GENSCAN
Start	645	End	2782
GI	none	Score	.6
Exons	645..710, 2185..2782		

Seq. No.	4567	Seq. ID	OJ990402_06.9922.C13
Gene No.	9516	Strand	+
Start	540	End	2945
Name	OJ990402_06.9922.C13.o2.np	Method	AAT/NAP
Start	1809	End	2945
GI	729704	Score	57
Exons	1809..1910, 2459..2565, 2788..2848, 2874..2945		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	4567	Seq. ID	OJ990402_06.9922.C13
Gene No.	9517	Strand	-
Start	473	End	2421
Name	OJ990402_06.9922.C13.o1.np	Method	AAT/NAP
Start	473	End	2421
GI	4680186	Score	305
Exons	473..673, 2402..2421		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4568	Seq. ID	OJ990402_06.9922.C14
Gene No.	9518	Strand	+
Start	54	End	1231
Name	OJ990402_06.9922.C14.o1.gs	Method	GENSCAN
Start	54	End	1231
GI	none	Score	.64
Exons	54..354, 858..1231		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924

Name	OJ990402_06.9922.C15.o1.gs	Method	GENSCAN
Start	221	End	1826
GI	none	Score	.87
Exons	221..565, 696..1826		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o3.tw	Method	TBLASTX:Wheat
Start	225	End	779
GI	none	Score	222
Exons	225..605, 239..637, 437..634, 570..779		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o1.np	Method	AAT/NAP
Start	239	End	1924
GI	4680179	Score	2334
Exons	239..1924		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	239	End	598
GI	none	Score	136
Exons	239..439, 249..440, 437..598, 444..590		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o3.tm	Method	TBLASTX:Maize
Start	648	End	939
GI	none	Score	50
Exons	648..938, 652..699, 735..938, 748..939		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	737	End	998
GI	none	Score	120
Exons	737..919, 738..998, 748..993		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	786	End	1364
GI	none	Score	260
Exons	786..1250, 786..1364, 787..1353		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924

Name	OJ990402_06.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	1353	End	1707
GI	none	Score	219
Exons	1353..1706, 1357..1707		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	1365	End	1778
GI	none	Score	324
Exons	1365..1778, 1366..1746		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	1527	End	1772
GI	none	Score	63
Exons	1527..1772, 1627..1755		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o4.tm	Method	TBLASTX:Maize
Start	1713	End	1923
GI	none	Score	81
Exons	1713..1898, 1713..1922, 1714..1923		

Seq. No.	4569	Seq. ID	OJ990402_06.9922.C15
Gene No.	9519	Strand	-
Start	221	End	1924
Name	OJ990402_06.9922.C15.o4.tw	Method	TBLASTX:Wheat
Start	1779	End	1924
GI	none	Score	73
Exons	1779..1922, 1781..1924, 1785..1916, 1795..1917		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	2122
GI	4680179	Score	2688
Exons	1..2122		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o5.tw	Method	TBLASTX:Wheat
Start	9	End	231
GI	none	Score	68
Exons	9..230, 12..197, 73..231		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122

Name	OJ990402_06.9922.C16.o1.gs	Method	GENSCAN
Start	15	End	1904
GI	none	Score	.86
Exons	15..1904		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	231	End	734
GI	none	Score	362
Exons	231..734, 313..702		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	309	End	663
GI	none	Score	232
Exons	309..662, 313..663		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	483	End	728
GI	none	Score	93
Exons	483..728, 484..711		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	699	End	1199
GI	none	Score	50
Exons	699..1013, 742..792, 820..948, 1020..1199, 1045..1191		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o3.tw	Method	TBLASTX:Wheat
Start	735	End	1037
GI	none	Score	257
Exons	735..1037, 751..1035		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	750	End	1145
GI	none	Score	185
Exons	750..1109, 751..1041, 1069..1107, 1113..1145, 1114..1143		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o2.tw	Method	TBLASTX:Wheat

Start	1086	End	1572
GI	none	Score	264
Exons	1086..1463, 1129..1572, 1518..1568		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	1122	End	1439
GI	none	Score	180
Exons	1122..1439		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	1267	End	1557
GI	none	Score	185
Exons	1267..1557, 1269..1556		

Seq. No.	4570	Seq. ID	OJ990402_06.9922.C16
Gene No.	9520	Strand	-
Start	1	End	2122
Name	OJ990402_06.9922.C16.o4.tw	Method	TBLASTX:Wheat
Start	1683	End	2105
GI	none	Score	69
Exons	1683..1850, 1738..1851, 1896..2105, 1897..2070		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9521	Strand	+
Start	2192	End	7237
Name	OJ990402_06.9922.C17.o3.np	Method	AAT/NAP
Start	2192	End	7237
GI	4680186	Score	324
Exons	2192..2236, 6144..6199, 7036..7237		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.gs	Method	GENSCAN
Start	341	End	7209
GI	none	Score	.42
Exons	341..4846, 5178..5533, 5555..5900, 6833..6878, 7121..7209		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.np	Method	AAT/NAP
Start	344	End	4849
GI	4680179	Score	5437
Exons	344..3748, 3782..4849		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209

Name	OJ990402_06.9922.C17.o6.tw	Method	TBLASTX:Wheat
Start	389	End	722
GI	none	Score	95
Exons	389..721, 410..718, 453..722		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	569	End	1168
GI	none	Score	256
Exons	569..1009, 585..1010, 912..1010, 1005..1160, 1007..1168, 1014..1160		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	722	End	1348
GI	none	Score	279
Exons	722..1348, 723..1292		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o4.tm	Method	TBLASTX:Maize
Start	1217	End	1509
GI	none	Score	206
Exons	1217..1507, 1221..1508, 1321..1509		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o2.ts	Method	TBLASTX:Soybean
Start	1306	End	1567
GI	none	Score	149
Exons	1306..1437, 1307..1567, 1308..1562		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	1331	End	1648
GI	none	Score	75
Exons	1331..1474, 1332..1472, 1475..1648		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o2.tw	Method	TBLASTX:Wheat
Start	1355	End	5143
GI	none	Score	329
Exons	1355..1891, 1359..1922, 5081..5143		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209

Name	OJ990402_06.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	1922	End	2276
GI	none	Score	230
Exons	1922..2275, 1926..2276		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o3.tw	Method	TBLASTX:Wheat
Start	1925	End	2347
GI	none	Score	347
Exons	1925..2347, 1926..2315		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o3.ts	Method	TBLASTX:Soybean
Start	2096	End	2341
GI	none	Score	65
Exons	2096..2341, 2196..2324		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	2312	End	2812
GI	none	Score	50
Exons	2312..2626, 2355..2405, 2433..2486, 2633..2812, 2658..2804		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o5.tw	Method	TBLASTX:Wheat
Start	2348	End	2650
GI	none	Score	267
Exons	2348..2650, 2364..2648, 2569..2649		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	2363	End	2758
GI	none	Score	199
Exons	2363..2722, 2364..2654, 2682..2720, 2726..2758, 2727..2756		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o4.tw	Method	TBLASTX:Wheat
Start	2699	End	3184
GI	none	Score	217
Exons	2699..3076, 2742..3077, 3122..3184		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o2.tc	Method	TBLASTX:Cress

Start	2735	End	3052
GI	none	Score	180
Exons	2735..3052		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o5.tm	Method	TBLASTX:Maize
Start	2880	End	3172
GI	none	Score	133
Exons	2880..3071, 2882..3073, 2882..3073, 3122..3172		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o8.tw	Method	TBLASTX:Wheat
Start	3299	End	3721
GI	none	Score	76
Exons	3299..3466, 3354..3467, 3512..3721, 3513..3665		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o7.tw	Method	TBLASTX:Wheat
Start	4040	End	4391
GI	none	Score	108
Exons	4040..4390, 4197..4391		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o6.tm	Method	TBLASTX:Maize
Start	4085	End	4390
GI	none	Score	93
Exons	4085..4390, 4260..4376		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o9.tw	Method	TBLASTX:Wheat
Start	4425	End	4767
GI	none	Score	116
Exons	4425..4622, 4427..4624, 4735..4767		

Seq. No.	4571	Seq. ID	OJ990402_06.9922.C17
Gene No.	9522	Strand	-
Start	341	End	7209
Name	OJ990402_06.9922.C17.o1.gp	Method	AAT/GAP
Start	6785	End	7170
GI	uC-osf1cyp033a04b1	Score	661
Exons	6785..7170		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9523	Strand	+
Start	1	End	3655

Name	OJ990402_06.9922.C18.o3.np	Method	AAT/NAP
Start	1	End	3655
GI	4680186	Score	350
Exons	1..45, 2568..2622, 3454..3655		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	5042447	Score	865
Exons	1..155, 189..1274		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o1.gs	Method	GENSCAN
Start	77	End	1271
GI	none	Score	.96
Exons	77..1271		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	447	End	798
GI	none	Score	110
Exons	447..797, 604..798		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	492	End	797
GI	none	Score	86
Exons	492..797, 619..783		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o2.np	Method	AAT/NAP
Start	514	End	2325
GI	4512231	Score	155
Exons	514..548, 1757..2325		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	831	End	1031
GI	none	Score	67
Exons	831..965, 832..1029, 834..1031		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18

Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o2.gs	Method	GENSCAN
Start	1517	End	3483
GI	none	Score	.92
Exons	1517..2326, 3418..3483		

Seq. No.	4572	Seq. ID	OJ990402_06.9922.C18
Gene No.	9524	Strand	-
Start	1	End	3588
Name	OJ990402_06.9922.C18.o1.gp	Method	AAT/GAP
Start	3205	End	3588
GI	uC-osflcyp033a04b1	Score	689
Exons	3205..3588		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4573	Seq. ID	OJ990402_06.9922.C19
Gene No.	9525	Strand	+
Start	1	End	1287
Name	OJ990402_06.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	1287
GI	6063554	Score	255
Exons	1..70, 444..471, 1113..1287		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4573	Seq. ID	OJ990402_06.9922.C19
Gene No.	9525	Strand	+
Start	1	End	1287
Name	OJ990402_06.9922.C19.o1.gp	Method	AAT/GAP
Start	84	End	524
GI	61605_1.R1084	Score	111
Exons	84..108, 444..524		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4573	Seq. ID	OJ990402_06.9922.C19
Gene No.	9526	Strand	-
Start	415	End	1215
Name	OJ990402_06.9922.C19.o1.gs	Method	GENSCAN
Start	415	End	1215
GI	none	Score	.46
Exons	415..510, 988..1215		

Seq. No.	4573	Seq. ID	OJ990402_06.9922.C19
Gene No.	9526	Strand	-
Start	415	End	1215
Name	OJ990402_06.9922.C19.o2.gp	Method	AAT/GAP
Start	680	End	1197
GI	uC-osf1M202048c12b1	Score	766
Exons	680..1197		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20

Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	1627
GI	4680179	Score	2355
Exons	1..1627		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o3.tw	Method	TBLASTX:Wheat
Start	1	End	321
GI	none	Score	170
Exons	1..315, 1..321		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o2.tm	Method	TBLASTX:Maize
Start	46	End	363
GI	none	Score	67
Exons	46..363, 51..242, 52..351, 101..352, 279..356		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o2.ts	Method	TBLASTX:Soybean
Start	280	End	540
GI	none	Score	153
Exons	280..540, 281..535, 289..537		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o1.tc	Method	TBLASTX:Cress
Start	304	End	621
GI	none	Score	85
Exons	304..447, 305..445, 448..621		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	328	End	906
GI	none	Score	340
Exons	328..906, 329..895		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o4.tm	Method	TBLASTX:Maize
Start	364	End	678
GI	none	Score	107
Exons	364..678, 365..568, 514..654		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20

Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	886	End	1249
GI	none	Score	170
Exons	886..1248, 895..1248, 899..1249		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o2.tw	Method	TBLASTX:Wheat
Start	907	End	1320
GI	none	Score	338
Exons	907..1320, 908..1288		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o3.ts	Method	TBLASTX:Soybean
Start	1069	End	1314
GI	none	Score	94
Exons	1069..1314, 1070..1297		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o3.tm	Method	TBLASTX:Maize
Start	1255	End	1602
GI	none	Score	134
Exons	1255..1602, 1256..1468		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o4.tw	Method	TBLASTX:Wheat
Start	1321	End	1623
GI	none	Score	263
Exons	1321..1623, 1337..1621		

Seq. No.	4574	Seq. ID	OJ990402_06.9922.C20
Gene No.	9527	Strand	-
Start	1	End	1627
Name	OJ990402_06.9922.C20.o1.ts	Method	TBLASTX:Soybean
Start	1336	End	1627
GI	none	Score	195
Exons	1336..1623, 1337..1627		

Seq. No.	4575	Seq. ID	OJ990402_06.9922.C21
Gene No.	9528	Strand	-
Start	1	End	540
Name	OJ990402_06.9922.C21.o1.gp	Method	AAT/GAP
Start	1	End	265
GI	95437_1.R1084	Score	483
Exons	1..265		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	4575	Seq. ID	OJ990402_06.9922.C21
Gene No.	9528	Strand	-
Start	1	End	540
Name	OJ990402_06.9922.C21.o1.gs	Method	GENSCAN
Start	85	End	540
GI	none	Score	.64
Exons	85..540		

Seq. No.	4576	Seq. ID	OJ990402_06.9922.C22
Gene No.	9529	Strand	+
Start	246	End	613
Name	OJ990402_06.9922.C22.o1.gs	Method	GENSCAN
Start	246	End	613
GI	none	Score	.88
Exons	246..487, 561..613		

Seq. No.	4577	Seq. ID	OJ990402_06.9922.C23
Gene No.	9530	Strand	+
Start	1	End	723
Name	OJ990402_06.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6907087	Score	194
Exons	1..67, 622..723		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4577	Seq. ID	OJ990402_06.9922.C23
Gene No.	9531	Strand	+
Start	1189	End	1571
Name	OJ990402_06.9922.C23.o1.gp	Method	AAT/GAP
Start	1189	End	1571
GI	uC-osflcyp033a04b1	Score	676
Exons	1189..1571		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4577	Seq. ID	OJ990402_06.9922.C23
Gene No.	9532	Strand	-
Start	150	End	389
Name	OJ990402_06.9922.C23.o1.gs	Method	GENSCAN
Start	150	End	389
GI	none	Score	.87
Exons	150..338, 347..389		

Seq. No.	4577	Seq. ID	OJ990402_06.9922.C23
Gene No.	9533	Strand	-
Start	616	End	2561
Name	OJ990402_06.9922.C23.o2.gs	Method	GENSCAN
Start	616	End	1323
GI	none	Score	.4
Exons	616..722, 1169..1323		

Seq. No.	4577	Seq. ID	OJ990402_06.9922.C23
Gene No.	9533	Strand	-
Start	616	End	2561

Name	OJ990402_06.9922.C23.o2.np	Method	AAT/NAP
Start	1118	End	2561
GI	4680186	Score	255
Exons	1118..1321, 2163..2230, 2491..2561		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4578	Seq. ID	OJ990402_06.9922.C24
Gene No.	9534	Strand	+
Start	186	End	1166
Name	OJ990402_06.9922.C24.o1.gs	Method	GENSCAN
Start	186	End	1166
GI	none	Score	.64
Exons	186..294, 477..658, 993..1166		

Seq. No.	4578	Seq. ID	OJ990402_06.9922.C24
Gene No.	9534	Strand	+
Start	186	End	1166
Name	OJ990402_06.9922.C24.o1.np	Method	AAT/NAP
Start	609	End	698
GI	4680183	Score	110
Exons	609..698		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4579	Seq. ID	OJ990402_06.9922.C25
Gene No.	9535	Strand	+
Start	165	End	171
Name	OJ990402_06.9922.C25.o1.gs	Method	GENSCAN
Start	165	End	171
GI	none	Score	.54
Exons	165..171		

Seq. No.	4580	Seq. ID	OJ990402_06.9922.C26
Gene No.	9536	Strand	-
Start	428	End	496
Name	OJ990402_06.9922.C26.o1.gs	Method	GENSCAN
Start	428	End	496
GI	none	Score	.42
Exons	428..496		

Seq. No.	4581	Seq. ID	OJ990402_06.9922.C27
Gene No.	9537	Strand	-
Start	60	End	853
Name	OJ990402_06.9922.C27.o1.gs	Method	GENSCAN
Start	60	End	853
GI	none	Score	.91
Exons	60..314, 361..853		

Seq. No.	4582	Seq. ID	OJ990402_06.9922.C28
Gene No.	9538	Strand	-
Start	624	End	716
Name	OJ990402_06.9922.C28.o1.gs	Method	GENSCAN
Start	624	End	716
GI	none	Score	.83
Exons	624..716		

Seq. No.	4583	Seq. ID	OJ990402_06.9922.C29
Gene No.	9539	Strand	+

Start	1	End	906
Name	OJ990402_06.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	422
GI	4680186	Score	296
Exons	1..48, 222..422		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4583	Seq. ID	OJ990402_06.9922.C29
Gene No.	9539	Strand	+
Start	1	End	906
Name	OJ990402_06.9922.C29.o1.gs	Method	GENSCAN
Start	315	End	906
GI	none	Score	.47
Exons	315..375, 794..906		

Seq. No.	4583	Seq. ID	OJ990402_06.9922.C29
Gene No.	9540	Strand	-
Start	1	End	355
Name	OJ990402_06.9922.C29.o1.gp	Method	AAT/GAP
Start	1	End	355
GI	uC-osflcyp033a04b1	Score	614
Exons	1..355		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4584	Seq. ID	OJ990402_06.9922.C30
Gene No.	9541	Strand	-
Start	222	End	871
Name	OJ990402_06.9922.C30.o1.gs	Method	GENSCAN
Start	222	End	871
GI	none	Score	.59
Exons	222..294, 819..871		

Seq. No.	4585	Seq. ID	OJ990402_06.9922.C31
Gene No.	9542	Strand	-
Start	707	End	1380
Name	OJ990402_06.9922.C31.o1.np	Method	AAT/NAP
Start	707	End	1380
GI	5295955	Score	142
Exons	707..1380		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4586	Seq. ID	OJ990402_06.9922.C33
Gene No.	9543	Strand	+
Start	234	End	1006
Name	OJ990402_06.9922.C33.o1.np	Method	AAT/NAP
Start	234	End	1006
GI	4680179	Score	535
Exons	234..1006		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4586	Seq. ID	OJ990402_06.9922.C33
Gene No.	9543	Strand	+
Start	234	End	1006
Name	OJ990402_06.9922.C33.o1.gs	Method	GENSCAN
Start	255	End	938

GI	none	Score	.65
Exons	255..938		
Seq. No.	4586	Seq. ID	OJ990402_06.9922.C33
Gene No.	9543	Strand	+
Start	234	End	1006
Name	OJ990402_06.9922.C33.o1.tw	Method	TBLASTX:Wheat
Start	477	End	836
GI	none	Score	270
Exons	477..836, 479..832		
Seq. No.	4586	Seq. ID	OJ990402_06.9922.C33
Gene No.	9543	Strand	+
Start	234	End	1006
Name	OJ990402_06.9922.C33.o1.tm	Method	TBLASTX:Maize
Start	717	End	923
GI	none	Score	181
Exons	717..923, 731..820		
Seq. No.	4587	Seq. ID	OJ990402_06.9922.C34
Gene No.	9544	Strand	+
Start	128	End	493
Name	OJ990402_06.9922.C34.o1.np	Method	AAT/NAP
Start	128	End	493
GI	6907087	Score	459
Exons	128..493		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9545	Strand	-
Start	1	End	1416
Name	OJ990402_06.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	1416
GI	4680179	Score	1068
Exons	1..315, 349..1416		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9545	Strand	-
Start	1	End	1416
Name	OJ990402_06.9922.C35.o1.gs	Method	GENSCAN
Start	237	End	1413
GI	none	Score	.9
Exons	237..1413		
Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9546	Strand	-
Start	1659	End	1985
Name	OJ990402_06.9922.C35.o3.tw	Method	TBLASTX:Wheat
Start	31	End	408
GI	none	Score	61
Exons	31..285, 92..232, 313..408		
Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9546	Strand	-

Start	1659	End	1985
Name	OJ990402_06.9922.C35.o1.tw	Method	TBLASTX:Wheat
Start	607	End	971
GI	none	Score	115
Exons	607..957, 764..958, 765..971		

Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9546	Strand	-
Start	1659	End	1985
Name	OJ990402_06.9922.C35.o1.tm	Method	TBLASTX:Maize
Start	652	End	957
GI	none	Score	91
Exons	652..957, 779..943		

Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9546	Strand	-
Start	1659	End	1985
Name	OJ990402_06.9922.C35.o2.tw	Method	TBLASTX:Wheat
Start	992	End	1334
GI	none	Score	108
Exons	992..1189, 994..1191, 1302..1334		

Seq. No.	4588	Seq. ID	OJ990402_06.9922.C35
Gene No.	9546	Strand	-
Start	1659	End	1985
Name	OJ990402_06.9922.C35.o2.gs	Method	GENSCAN
Start	1659	End	1985
GI	none	Score	.98
Exons	1659..1985		

Seq. No.	4589	Seq. ID	OJ990402_06.9922.C37
Gene No.	9547	Strand	-
Start	37	End	439
Name	OJ990402_06.9922.C37.o1.gs	Method	GENSCAN
Start	37	End	385
GI	none	Score	.5
Exons	37..191, 255..385		

Seq. No.	4589	Seq. ID	OJ990402_06.9922.C37
Gene No.	9547	Strand	-
Start	37	End	439
Name	OJ990402_06.9922.C37.o1.np	Method	AAT/NAP
Start	40	End	439
GI	138567	Score	702
Exons	40..439		
GI Descrip.	INTEGRASE gi|75992|pir||RSBPI8 probable integrase - phage phi-80		

Seq. No.	4590	Seq. ID	OJ990402_06.9922.C38
Gene No.	9548	Strand	+
Start	135	End	216
Name	OJ990402_06.9922.C38.o1.gs	Method	GENSCAN
Start	135	End	216
GI	none	Score	.54
Exons	135..216		

Seq. No.	4590	Seq. ID	OJ990402_06.9922.C38
Gene No.	9549	Strand	-

Start	1	End	120
Name	OJ990402_06.9922.C38.o1.np	Method	AAT/NAP
Start	1	End	120
GI	6063554	Score	152
Exons	1..120		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4591	Seq. ID	OJ990402_06.9922.C39
Gene No.	9550	Strand	-
Start	128	End	262
Name	OJ990402_06.9922.C39.o1.gs	Method	GENSCAN
Start	128	End	262
GI	none	Score	.62
Exons	128..262		

Seq. No.	4592	Seq. ID	OJ990402_06.9922.C40
Gene No.	9551	Strand	+
Start	1	End	637
Name	OJ990402_06.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	637
GI	4680179	Score	930
Exons	1..637		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4592	Seq. ID	OJ990402_06.9922.C40
Gene No.	9551	Strand	+
Start	1	End	637
Name	OJ990402_06.9922.C40.o1.tw	Method	TBLASTX:Wheat
Start	2	End	564
GI	none	Score	300
Exons	2..247, 5..247, 243..563, 244..564		

Seq. No.	4592	Seq. ID	OJ990402_06.9922.C40
Gene No.	9551	Strand	+
Start	1	End	637
Name	OJ990402_06.9922.C40.o2.tm	Method	TBLASTX:Maize
Start	2	End	190
GI	none	Score	279
Exons	2..190, 19..189		

Seq. No.	4592	Seq. ID	OJ990402_06.9922.C40
Gene No.	9551	Strand	+
Start	1	End	637
Name	OJ990402_06.9922.C40.o1.tm	Method	TBLASTX:Maize
Start	191	End	636
GI	none	Score	74
Exons	191..247, 225..362, 243..635, 244..636		

Seq. No.	4592	Seq. ID	OJ990402_06.9922.C40
Gene No.	9551	Strand	+
Start	1	End	637
Name	OJ990402_06.9922.C40.o1.gs	Method	GENSCAN
Start	292	End	556
GI	none	Score	.43
Exons	292..556		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9552	Strand	+
Start	1	End	954
Name	OJ990402_06.9922.C41.o3.np	Method	AAT/NAP
Start	1	End	951
GI	4680183	Score	102
Exons	1..106, 859..951		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9552	Strand	+
Start	1	End	954
Name	OJ990402_06.9922.C41.o1.gs	Method	GENSCAN
Start	731	End	954
GI	none	Score	.54
Exons	731..954		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9553	Strand	-
Start	1	End	829
Name	OJ990402_06.9922.C41.o1.np	Method	AAT/NAP
Start	1	End	226
GI	5042448	Score	164
Exons	1..226		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9553	Strand	-
Start	1	End	829
Name	OJ990402_06.9922.C41.o2.np	Method	AAT/NAP
Start	1	End	829
GI	6721561	Score	66
Exons	1..61, 717..829		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9554	Strand	-
Start	1615	End	2501
Name	OJ990402_06.9922.C41.o2.gs	Method	GENSCAN
Start	1615	End	2363
GI	none	Score	.92
Exons	1615..1789, 1954..2363		

Seq. No.	4593	Seq. ID	OJ990402_06.9922.C41
Gene No.	9554	Strand	-
Start	1615	End	2501
Name	OJ990402_06.9922.C41.o4.np	Method	AAT/NAP
Start	1954	End	2501
GI	5852179	Score	292
Exons	1954..2192, 2267..2501		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	4594	Seq. ID	OJ990402_06.9922.C42
Gene No.	9555	Strand	+
Start	449	End	621
Name	OJ990402_06.9922.C42.o1.np	Method	AAT/NAP
Start	449	End	621
GI	6063554	Score	234
Exons	449..621		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4594	Seq. ID	OJ990402_06.9922.C42
Gene No.	9556	Strand	+
Start	994	End	1267
Name	OJ990402_06.9922.C42.o1.gp	Method	AAT/GAP
Start	994	End	1267
GI	61605_1.R1084	Score	462
Exons	994..1267		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4594	Seq. ID	OJ990402_06.9922.C42
Gene No.	9557	Strand	-
Start	1267	End	2006
Name	OJ990402_06.9922.C42.o2.np	Method	AAT/NAP
Start	1267	End	2006
GI	5852180	Score	63
Exons	1267..1351, 1968..2006		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9558	Strand	+
Start	808	End	1539
Name	OJ990402_06.9922.C43.o1.np	Method	AAT/NAP
Start	808	End	1036
GI	4680186	Score	217
Exons	808..1036		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9558	Strand	+
Start	808	End	1539
Name	OJ990402_06.9922.C43.o1.gs	Method	GENSCAN
Start	836	End	1539
GI	none	Score	.43
Exons	836..1037, 1436..1539		

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9559	Strand	+
Start	3179	End	4918
Name	OJ990402_06.9922.C43.o3.np	Method	AAT/NAP
Start	3179	End	4918
GI	6063554	Score	239
Exons	3179..3385, 3503..3704, 4595..4644, 4745..4918		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9560	Strand	-
Start	1435	End	4136
Name	OJ990402_06.9922.C43.o2.np	Method	AAT/NAP
Start	1435	End	4136
GI	6907087	Score	422
Exons	1435..1535, 2077..2729, 4114..4136		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9560	Strand	-
Start	1435	End	4136
Name	OJ990402_06.9922.C43.o2.gs	Method	GENSCAN
Start	1853	End	3834
GI	none	Score	.71
Exons	1853..2071, 2077..2758, 3138..3276, 3504..3834		

Seq. No.	4595	Seq. ID	OJ990402_06.9922.C43
Gene No.	9561	Strand	-
Start	4089	End	4159
Name	OJ990402_06.9922.C43.o1.gp	Method	AAT/GAP
Start	4089	End	4159
GI	uC-osroM202024h08a1	Score	88
Exons	4089..4159		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4596	Seq. ID	OJ990402_06.9922.C44
Gene No.	9562	Strand	+
Start	146	End	245
Name	OJ990402_06.9922.C44.o1.np	Method	AAT/NAP
Start	146	End	245
GI	5852175	Score	77
Exons	146..245		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4596	Seq. ID	OJ990402_06.9922.C44
Gene No.	9563	Strand	+
Start	404	End	807
Name	OJ990402_06.9922.C44.o1.gs	Method	GENSCAN
Start	404	End	807
GI	none	Score	.44
Exons	404..407, 767..807		

Seq. No.	4596	Seq. ID	OJ990402_06.9922.C44
Gene No.	9564	Strand	-
Start	1	End	483
Name	OJ990402_06.9922.C44.o2.np	Method	AAT/NAP
Start	1	End	483
GI	5852180	Score	60
Exons	1..22, 396..483		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4597	Seq. ID	OJ990402_06.9922.C45
Gene No.	9565	Strand	+
Start	1	End	128
Name	OJ990402_06.9922.C45.o1.np	Method	AAT/NAP
Start	1	End	128
GI	4680186	Score	172
Exons	1..128		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4598	Seq. ID	OJ990402_06.9922.C46
Gene No.	9566	Strand	+
Start	13	End	545
Name	OJ990402_06.9922.C46.o1.np	Method	AAT/NAP
Start	13	End	545
GI	4512231	Score	132
Exons	13..545		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4599	Seq. ID	OJ990402_06.9922.C47
Gene No.	9567	Strand	+
Start	234	End	982
Name	OJ990402_06.9922.C47.o2.gp	Method	AAT/GAP
Start	234	End	982
GI	101153_1.R1084	Score	410
Exons	234..265, 739..982		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4599	Seq. ID	OJ990402_06.9922.C47
Gene No.	9567	Strand	+
Start	234	End	982
Name	OJ990402_06.9922.C47.o1.gp	Method	AAT/GAP
Start	739	End	819
GI	61605_1.R1084	Score	109
Exons	739..819		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4599	Seq. ID	OJ990402_06.9922.C47
Gene No.	9568	Strand	-
Start	47	End	982
Name	OJ990402_06.9922.C47.o1.np	Method	AAT/NAP
Start	47	End	982
GI	5852180	Score	363
Exons	47..422, 938..982		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4600	Seq. ID	OJ990402_06.9922.C48
Gene No.	9569	Strand	+
Start	1	End	689
Name	OJ990402_06.9922.C48.o1.np	Method	AAT/NAP
Start	1	End	148
GI	4680186	Score	243
Exons	1..148		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4600	Seq. ID	OJ990402_06.9922.C48

Gene No.	9569	Strand	+
Start	1	End	689
Name	OJ990402_06.9922.C48.o1.gs	Method	GENSCAN
Start	41	End	689
GI	none	Score	.9
Exons	41..101, 517..689		

Seq. No.	4600	Seq. ID	OJ990402_06.9922.C48
Gene No.	9570	Strand	-
Start	1	End	81
Name	OJ990402_06.9922.C48.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	uC-osf1cyp033a04b1	Score	154
Exons	1..81		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4601	Seq. ID	OJ990402_06.9922.C49
Gene No.	9571	Strand	+
Start	641	End	861
Name	OJ990402_06.9922.C49.o1.gs	Method	GENSCAN
Start	641	End	861
GI	none	Score	.51
Exons	641..861		

Seq. No.	4602	Seq. ID	OJ990402_06.9922.C51
Gene No.	9572	Strand	+
Start	1	End	165
Name	OJ990402_06.9922.C51.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	61605_1.R1084	Score	281
Exons	1..165		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4603	Seq. ID	OJ990402_06.9922.C52
Gene No.	9573	Strand	+
Start	637	End	762
Name	OJ990402_06.9922.C52.o1.gs	Method	GENSCAN
Start	637	End	762
GI	none	Score	.59
Exons	637..762		

Seq. No.	4604	Seq. ID	OJ990402_06.9922.C54
Gene No.	9574	Strand	-
Start	1	End	793
Name	OJ990402_06.9922.C54.o1.np	Method	AAT/NAP
Start	1	End	793
GI	5852180	Score	75
Exons	1..94, 709..793		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4605	Seq. ID	OJ990402_06.9922.C55
Gene No.	9575	Strand	+
Start	198	End	934
Name	OJ990402_06.9922.C55.o1.gs	Method	GENSCAN
Start	198	End	934

GI	none	Score	.6
Exons	198..934		

Seq. No.	4605	Seq. ID	OJ990402_06.9922.C55
Gene No.	9576	Strand	-
Start	456	End	1095
Name	OJ990402_06.9922.C55.o1.np	Method	AAT/NAP
Start	456	End	1095
GI	5852180	Score	541
Exons	456..983, 1071..1095		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4606	Seq. ID	OJ990412_06.9922.C2
Gene No.	9577	Strand	-
Start	459	End	523
Name	OJ990412_06.9922.C2.o1.gs	Method	GENSCAN
Start	459	End	523
GI	none	Score	.56
Exons	459..523		

Seq. No.	4607	Seq. ID	OJ990412_06.9922.C4
Gene No.	9578	Strand	-
Start	1	End	1224
Name	OJ990412_06.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	5091513	Score	1716
Exons	1..1224		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4608	Seq. ID	OJ990412_06.9922.C5
Gene No.	9579	Strand	-
Start	1	End	1325
Name	OJ990412_06.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	981
GI	2335108	Score	138
Exons	1..21, 658..733, 844..981		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4608	Seq. ID	OJ990412_06.9922.C5
Gene No.	9579	Strand	-
Start	1	End	1325
Name	OJ990412_06.9922.C5.o1.gs	Method	GENSCAN
Start	361	End	1325
GI	none	Score	.43
Exons	361..422, 658..733, 799..1325		

Seq. No.	4609	Seq. ID	OJ990412_06.9922.C6
Gene No.	9580	Strand	+
Start	1	End	462
Name	OJ990412_06.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	462
GI	5091513	Score	589
Exons	1..462		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4609	Seq. ID	OJ990412_06.9922.C6
Gene No.	9580	Strand	+

Start	1	End	462
Name	OJ990412_06.9922.C6.o1.gs	Method	GENSCAN
Start	176	End	400
GI	none	Score	.63
Exons	176..400		

Seq. No.	4610	Seq. ID	OJ990412_06.9922.C7
Gene No.	9581	Strand	+
Start	1	End	409
Name	OJ990412_06.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	409
GI	2335108	Score	49
Exons	1..35, 249..409		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4611	Seq. ID	OJ990412_06.9922.C8
Gene No.	9582	Strand	-
Start	99	End	279
Name	OJ990412_06.9922.C8.o1.gs	Method	GENSCAN
Start	99	End	279
GI	none	Score	.59
Exons	99..279		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9583	Strand	+
Start	811	End	2737
Name	OJ990412_06.9922.C11.o1.gs	Method	GENSCAN
Start	811	End	2737
GI	none	Score	.75
Exons	811..837, 2405..2591, 2625..2737		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9584	Strand	+
Start	13066	End	17655
Name	OJ990412_06.9922.C11.o4.gs	Method	GENSCAN
Start	13066	End	17655
GI	none	Score	.46
Exons	13066..13261, 13314..13369, 13791..13849, 14427..14766, 14980..17655		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9584	Strand	+
Start	13066	End	17655
Name	OJ990412_06.9922.C11.o2.gp	Method	AAT/GAP
Start	15283	End	15671
GI	96731_1.R1084	Score	661
Exons	15283..15671		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9585	Strand	+
Start	20275	End	23980
Name	OJ990412_06.9922.C11.o3.np	Method	AAT/NAP
Start	20275	End	23980
GI	5852093	Score	132
Exons	20275..20333, 23134..23240, 23916..23980		

GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9586	Strand	-
Start	4322	End	6408
Name	OJ990412_06.9922.C11.o2.gs	Method	GENSCAN
Start	4322	End	6346
GI	none	Score	.54
Exons	4322..4402, 5028..5122, 5306..5346, 5352..6346		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9586	Strand	-
Start	4322	End	6408
Name	OJ990412_06.9922.C11.o1.gp	Method	AAT/GAP
Start	4965	End	6408
GI	44_2.R1084	Score	2822
Exons	4965..6408		

GI Descrip. '5091529/dbj|BAA78764.1| 2.0e-16 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]'

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9586	Strand	-
Start	4322	End	6408
Name	OJ990412_06.9922.C11.o1.np	Method	AAT/NAP
Start	5363	End	6340
GI	3978578	Score	618
Exons	5363..6340		

GI Descrip. (AB020528) Polygalacturonase inhibitor [Poncirus trifoliata]

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9587	Strand	-
Start	6528	End	12734
Name	OJ990412_06.9922.C11.o3.gs	Method	GENSCAN
Start	6528	End	12734
GI	none	Score	.5
Exons	6528..6614, 6700..6872, 7337..7456, 8165..8368, 9658..9777, 10017..10125, 10735..10821, 11346..11518, 12338..12388, 12458..12734		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9588	Strand	-
Start	20446	End	21492
Name	OJ990412_06.9922.C11.o3.gp	Method	AAT/GAP
Start	20002	End	20318
GI	6062517	Score	578
Exons	20002..20318		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9588	Strand	-
Start	20446	End	21492
Name	OJ990412_06.9922.C11.o2.np	Method	AAT/NAP
Start	20440	End	21396
GI	1871194	Score	466
Exons	20440..20637, 20734..20901, 20930..21176, 21203..21396		

GI Descrip. (U90439) unknown protein [Arabidopsis thaliana]

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9588	Strand	-
Start	20446	End	21492
Name	OJ990412_06.9922.C11.o5.gs	Method	GENSCAN
Start	20446	End	21492
GI	none	Score	.95
Exons	20446..20637, 20734..21492		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9588	Strand	-
Start	20446	End	21492
Name	OJ990412_06.9922.C11.o4.gp	Method	AAT/GAP
Start	20764	End	21326
GI	20721_1.R1084	Score	1078
Exons	20764..21326		

GI Descrip. '1871194 4.0e-16 (U90439) DNA binding protein isolog [Arabidopsis thaliana] >gi_2335092 (AC002339) putative DNA binding protein [Arabidopsis thaliana]'

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	2763	End	6268
GI	none	Score	65
Exons	2763..2876, 5360..5764, 5429..5560, 5441..5563, 5442..5747, 5723..5764, 5777..5953, 5786..5914, 5790..5960, 5792..6103, 5846..5905, 5855..6025, 5865..6023, 5915..6025, 5972..6067, 6149..6184, 6191..6268		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	5358	End	6268
GI	none	Score	1008
Exons	5358..6263, 5360..6268		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	5360	End	6268
GI	none	Score	68
Exons	5360..5485, 5429..5560, 5504..5572, 5513..5788, 5514..5756, 5597..5686, 5672..5839, 5723..5761, 5783..5959, 5792..6103, 5855..6025, 6140..6178, 6173..6268		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	5438	End	6205
GI	none	Score	46
Exons	5438..5560, 5450..5560, 5453..5560, 5691..5747, 5777..6025,		

5795..5974, 5862..5957, 6104..6205

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	14900	End	15426
GI	none	Score	270
Exons	14900..15178, 14917..15180, 14920..15195, 14940..15182, 15210..15356, 15211..15384, 15346..15426, 15375..15425		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	15456	End	15764
GI	none	Score	62
Exons	15456..15551, 15456..15563, 15457..15564, 15460..15564, 15553..15738, 15555..15740, 15568..15759, 15570..15764		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	16995	End	17655
GI	none	Score	91
Exons	16995..17141, 16996..17142, 17011..17145, 17176..17238, 17228..17401, 17264..17389, 17355..17423, 17373..17477, 17397..17483, 17398..17475, 17416..17487, 17416..17499, 17497..17541, 17498..17548, 17516..17551, 17553..17609, 17585..17644, 17589..17654, 17595..17651, 17617..17655		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	20259	End	21494
GI	none	Score	76
Exons	20259..20303, 20261..20317, 20266..20304, 20314..20349, 20439..20510, 20441..20530, 20449..20640, 20716..20922, 20723..20980, 20965..21036, 20966..21004, 21133..21234, 21134..21232, 21147..21233, 21307..21339, 21307..21327, 21462..21494, 21468..21494		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o2.tc	Method	TBLASTX:Cress
Start	20590	End	20898
GI	none	Score	80
Exons	20590..20643, 20716..20898, 20717..20896		

Seq. No.	4612	Seq. ID	OJ990412_06.9922.C11
Gene No.	9589	Strand	-
Start	22491	End	24753
Name	OJ990412_06.9922.C11.o6.gs	Method	GENSCAN
Start	22491	End	24753

GI	none	Score	.49
Exons	22491..22538, 23551..23620, 24661..24753		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9590	Strand	+
Start	3578	End	10066
Name	OJ990412_06.9922.C12.o1.np	Method	AAT/NAP
Start	3578	End	10066
GI	5091513	Score	1531
Exons	3578..3597, 6827..7582, 8057..8836, 8958..9169, 9630..9847, 9882..10066		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9590	Strand	+
Start	3578	End	10066
Name	OJ990412_06.9922.C12.o2.gs	Method	GENSCAN
Start	4063	End	9914
GI	none	Score	.51
Exons	4063..4424, 6407..6467, 6830..7578, 8214..8683, 9129..9333, 9353..9464, 9588..9914		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9590	Strand	+
Start	3578	End	10066
Name	OJ990412_06.9922.C12.o1.gp	Method	AAT/GAP
Start	6129	End	6376
GI	3761181	Score	462
Exons	6129..6376		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9591	Strand	+
Start	13214	End	15182
Name	OJ990412_06.9922.C12.o2.gp	Method	AAT/GAP
Start	11609	End	11856
GI	3761181	Score	462
Exons	11609..11856		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9591	Strand	+
Start	13214	End	15182
Name	OJ990412_06.9922.C12.o3.gs	Method	GENSCAN
Start	13214	End	15182
GI	none	Score	.9
Exons	13214..13532, 13544..13666, 13826..13987, 14491..14625, 15133..15182		

Seq. No.	4613	Seq. ID	OJ990412_06.9922.C12
Gene No.	9592	Strand	-
Start	17509	End	22649
Name	OJ990412_06.9922.C12.o4.gs	Method	GENSCAN
Start	17509	End	22649
GI	none	Score	.46

Exons	17509..17540, 17813..17927, 18002..18256, 18350..18475, 19754..19954, 20545..20827, 21485..21590, 22008..22122, 22608..22649		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9593	Strand	+
Start	79	End	381
Name	OJ990412_06.9922.C13.o1.gs	Method	GENSCAN
Start	79	End	381
GI	none	Score	1
Exons	79..381		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9594	Strand	+
Start	9484	End	11528
Name	OJ990412_06.9922.C13.o2.gp	Method	AAT/GAP
Start	9360	End	10876
GI	65347_1.R1084	Score	633
Exons	9360..9582, 10755..10876		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9594	Strand	+
Start	9484	End	11528
Name	OJ990412_06.9922.C13.o3.np	Method	AAT/NAP
Start	9484	End	11525
GI	6706419	Score	799
Exons	9484..9582, 10755..11270, 11379..11525		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9594	Strand	+
Start	9484	End	11528
Name	OJ990412_06.9922.C13.o5.gs	Method	GENSCAN
Start	9484	End	11528
GI	none	Score	.78
Exons	9484..9582, 10770..11528		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9595	Strand	+
Start	12741	End	15011
Name	OJ990412_06.9922.C13.o6.gs	Method	GENSCAN
Start	12741	End	14983
GI	none	Score	.47
Exons	12741..12894, 13270..13388, 13920..14135, 14184..14983		
Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9595	Strand	+
Start	12741	End	15011
Name	OJ990412_06.9922.C13.o4.np	Method	AAT/NAP
Start	13853	End	14723
GI	951110	Score	272
Exons	13853..14723		
GI Descrip.	(U22469) Mannose/glucose-binding lectin precursor [Arachis hypogaea]		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9595	Strand	+
Start	12741	End	15011
Name	OJ990412_06.9922.C13.o5.np	Method	AAT/NAP
Start	14711	End	15011
GI	6175156	Score	81
Exons	14711..15011		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9596	Strand	-
Start	1299	End	3368
Name	OJ990412_06.9922.C13.o1.np	Method	AAT/NAP
Start	623	End	3344
GI	6729489	Score	746
Exons	623..750, 1448..3344		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9596	Strand	-
Start	1299	End	3368
Name	OJ990412_06.9922.C13.o2.gs	Method	GENSCAN
Start	1299	End	3368
GI	none	Score	.95
Exons	1299..3368		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9596	Strand	-
Start	1299	End	3368
Name	OJ990412_06.9922.C13.o2.np	Method	AAT/NAP
Start	2559	End	3302
GI	282897	Score	328
Exons	2559..3302		
GI Descrip.	lectin, anti-H(O) - Cytisus sessilifolius gi|228857|prf||1813204A anti-H(O) lectin [Cytisus sessilifolius]		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	1458	End	2124
GI	none	Score	123
Exons	1458..1694, 1719..1994, 1719..2123, 1732..2124		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	1488	End	15005
GI	none	Score	124
Exons	1488..2042, 1638..2036, 2061..2387, 2062..2370, 2592..2777, 2820..2882, 14877..15005		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011

Name	OJ990412_06.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	1509	End	15011
GI	none	Score	113
Exons	1509..2042, 1728..2009, 1732..2022, 2058..2243, 2062..2250, 2256..2357, 2257..2358, 14910..15011		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	1887	End	2310
GI	none	Score	89
Exons	1887..2042, 2046..2309, 2062..2310		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	2127	End	15008
GI	none	Score	111
Exons	2127..2243, 2128..2253, 2262..2363, 2263..2349, 14904..15008		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	2805	End	14420
GI	none	Score	77
Exons	2805..2918, 2805..3053, 2818..2919, 3066..3203, 14061..14171, 14063..14170, 14331..14420		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o1.gp	Method	AAT/GAP
Start	4116	End	5559
GI	4350_1.R1084	Score	1699
Exons	4116..4509, 4598..4663, 4768..4825, 4968..5059, 5227..5559		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	4241	End	5024
GI	none	Score	38
Exons	4241..4264, 4242..4262, 4384..4512, 4389..4511, 4393..4515, 4406..4516, 4575..4664, 4598..4666, 4598..4666, 4768..4827, 4970..5023, 4974..5024		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011

Name	OJ990412_06.9922.C13.o3.gs	Method	GENSCAN
Start	4384	End	5448
GI	none	Score	.69
Exons	4384..4509, 4598..4663, 4768..4825, 4968..5059, 5227..5448		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	9471	End	11060
GI	none	Score	210
Exons	9471..9566, 9481..9585, 10754..11059, 10755..11060		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	9483	End	11114
GI	none	Score	161
Exons	9483..9566, 9484..9585, 10754..11107, 10755..11114		

Seq. No.	4614	Seq. ID	OJ990412_06.9922.C13
Gene No.	9597	Strand	-
Start	4384	End	15011
Name	OJ990412_06.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	11330	End	11701
GI	none	Score	244
Exons	11330..11527, 11331..11528, 11609..11698, 11636..11701		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9598	Strand	+
Start	13	End	670
Name	OJ990412_06.9922.C14.o1.gs	Method	GENSCAN
Start	13	End	670
GI	none	Score	.74
Exons	13..383, 445..670		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o3.tc	Method	TBLASTX:Cress
Start	1	End	441
GI	none	Score	92
Exons	1..102, 94..324, 105..218, 337..441		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	4	End	267
GI	none	Score	224
Exons	4..267, 108..227		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o4.tm	Method	TBLASTX:Maize

Start	4	End	450
GI	none	Score	84
Exons	4..96, 85..225, 105..227, 256..321, 256..327, 337..450		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	4	End	267
GI	none	Score	203
Exons	4..267, 108..227		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o5.tm	Method	TBLASTX:Maize
Start	1651	End	1998
GI	none	Score	36
Exons	1651..1680, 1678..1797, 1679..1795, 1681..1800, 1800..1853, 1801..1854, 1801..1875, 1861..1971, 1871..1933, 1929..1997, 1966..1998		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o2.gs	Method	GENSCAN
Start	2031	End	16937
GI	none	Score	.77
Exons	2031..2253, 2612..2808, 2880..3002, 3150..3251, 3311..3362, 3508..3632, 3809..4077, 4124..4325, 4735..4839, 7249..7351, 8255..8358, 10091..10177, 10840..10925, 11204..11296, 12422..12583, 14198..14249, 14648..14691, 14780..14853, 14938..15029, 16179..16246, 16919..16937		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	2540	End	2689
GI	none	Score	196
Exons	2540..2689, 2557..2688		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	2543	End	7006
GI	none	Score	217
Exons	2543..2740, 2545..2811, 2572..2811, 2868..3005, 2878..3003, 2880..3011, 3145..3237, 3149..3238, 3150..3251, 3150..3239, 3309..3365, 3310..3366, 3311..3364, 3501..3569, 3502..3633, 3509..3634, 3509..3670, 3830..4039, 3837..4022, 4115..4327, 4122..4328, 4123..4326, 4127..4327, 4731..4838, 4732..4842, 4735..4842, 4797..4844, 6444..6512, 6776..7006, 6806..6991, 6810..6995		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14

Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o1.np	Method	AAT/NAP
Start	2560	End	16278
GI	2335108	Score	2352
Exons	2560..2808, 2880..3002, 3150..3236, 3311..3362, 3508..3632, 3809..4020, 4124..4325, 4735..4839, 6450..6511, 6805..6994, 7067..7162, 7249..7356, 8260..8358, 10091..10177, 10840..10925, 11204..11296, 12422..12583, 12704..12816, 12918..13040, 14198..14249, 14648..14691, 14780..14853, 14938..15029, 16179..16278		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o4.tw	Method	TBLASTX:Wheat
Start	3309	End	3943
GI	none	Score	87
Exons	3309..3365, 3311..3364, 3501..3569, 3502..3633, 3509..3640, 3806..3874, 3809..3850, 3830..3922, 3830..3943, 3831..3932, 3838..3939		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o2.tc	Method	TBLASTX:Cress
Start	3953	End	4842
GI	none	Score	125
Exons	3953..4060, 4122..4328, 4123..4326, 4191..4328, 4724..4747, 4729..4842, 4732..4842		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	3971	End	8369
GI	none	Score	68
Exons	3971..4039, 4122..4328, 4123..4326, 4218..4328, 4724..4846, 4735..4842, 6444..6512, 6785..6949, 6806..6988, 6810..6986, 6810..6992, 7058..7159, 7058..7168, 7240..7359, 7259..7360, 8248..8364, 8248..8367, 8250..8369		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	6806	End	7299
GI	none	Score	163
Exons	6806..6988, 6810..6992, 6810..6995, 6811..6996, 7054..7131, 7058..7168, 7059..7160, 7240..7299		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	7058	End	10151

GI	none	Score	127
Exons	7058..7168, 7059..7166, 7063..7176, 7237..7353, 7240..7353, 7250..7354, 8254..8358, 8255..8359, 8268..8360, 8269..8361, 10085..10150, 10092..10151, 10092..10151		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	7106	End	10917
GI	none	Score	90
Exons	7106..7168, 7107..7166, 7108..7170, 7240..7353, 7250..7354, 8254..8358, 8255..8359, 8256..8360, 8257..8361, 10085..10180, 10092..10178, 10837..10917, 10840..10917		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	10837	End	12960
GI	none	Score	64
Exons	10837..10926, 11205..11297, 11209..11307, 12420..12575, 12421..12573, 12695..12817, 12919..12960		

Seq. No.	4615	Seq. ID	OJ990412_06.9922.C14
Gene No.	9599	Strand	-
Start	2031	End	16937
Name	OJ990412_06.9922.C14.o3.ts	Method	TBLASTX:Soybean
Start	11205	End	12563
GI	none	Score	100
Exons	11205..11297, 11206..11310, 12409..12555, 12420..12563		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9600	Strand	+
Start	450	End	586
Name	OJ990412_06.9922.C15.o1.gs	Method	GENSCAN
Start	450	End	586
GI	none	Score	.66
Exons	450..586		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.gp	Method	AAT/GAP
Start	715	End	1164
GI	3767053	Score	681
Exons	715..1053, 1127..1164		
GI Descrip.	2335108 6.0e-19 (AC002339) putative isulinase [Arabidopsis thaliana]		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	790	End	2717
GI	none	Score	278
Exons	790..1056, 791..1054, 907..1077, 1055..1252, 1077..1250,		

1127..1258, 1378..1467, 1378..1467, 1519..1593, 1520..1594, 1520..1594, 1539..1595, 1700..1846, 1714..1845, 1716..1847, 1719..1847, 1735..1848, 1983..2198, 1999..2208, 2000..2209, 2504..2716, 2511..2717, 2511..2717

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	792	End	934
GI	none	Score	109
Exons	792..929, 793..930, 796..933, 797..934		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o2.gs	Method	GENSCAN
Start	802	End	2202
GI	none	Score	.76
Exons	802..1053, 1127..1249, 1378..1464, 1540..1591, 2066..2202		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.np	Method	AAT/NAP
Start	826	End	2812
GI	6706418	Score	706
Exons	826..1053, 1127..1249, 1378..1464, 1540..1591, 1720..1844, 1999..2207, 2513..2812		
GI Descrip.	(AL133248) protease-like protein [Arabidopsis thaliana]		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	1124	End	1859
GI	none	Score	104
Exons	1124..1252, 1125..1250, 1136..1255, 1378..1467, 1379..1477, 1540..1599, 1541..1594, 1714..1836, 1719..1859, 1722..1847		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	1446	End	2130
GI	none	Score	41
Exons	1446..1466, 1520..1594, 1539..1616, 1540..1593, 1714..1845, 1719..1847, 1735..1848, 1996..2109, 1996..2130, 2000..2119, 2004..2126		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o2.gp	Method	AAT/GAP
Start	1732	End	2733
GI	15407_1.R1084	Score	986
Exons	1732..1844, 1999..2207, 2513..2733		

GI Descrip. '2335108 6.0e-19 (AC002339) putative isulinase [Arabidopsis thaliana]'

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	2511	End	2717
GI	none	Score	142
Exons	2511..2717, 2559..2717		

Seq. No.	4616	Seq. ID	OJ990412_06.9922.C15
Gene No.	9601	Strand	-
Start	715	End	2812
Name	OJ990412_06.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	2511	End	2717
GI	none	Score	68
Exons	2511..2717, 2607..2717		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	1377
GI	4680186	Score	79
Exons	1..42, 1264..1377		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o2.np	Method	AAT/NAP
Start	1	End	14665
GI	2335108	Score	1747
Exons	1..43, 1942..2071, 3026..3087, 3387..3576, 3649..3744, 3831..3938, 4884..4982, 6001..6087, 7000..7085, 7172..7263, 8272..8434, 8547..8659, 8750..8872, 10234..10285, 11300..11343, 11428..11501, 11586..11677, 12327..12394, 14333..14408, 14528..14665		

GI Descrip. (AC002339) putative zinc protease [Arabidopsis thaliana]

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.gs	Method	GENSCAN
Start	744	End	21175
GI	none	Score	.72
Exons	744..875, 880..1306, 1967..2071, 3026..3087, 3387..3576, 3831..3933, 5237..5433, 5497..5538, 6001..6087, 7000..7085, 8272..8434, 8547..8659, 8750..8872, 10234..10285, 11300..11400, 11428..11501, 11586..11677, 11881..11916, 12327..12394, 14333..14875, 14891..15030, 16781..16840, 17521..17611, 17871..18099, 18170..18292, 18382..18468, 18541..18592, 18700..18824, 19485..19693, 19967..20168, 20287..20391, 21114..21175		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16

Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o2.tc	Method	TBLASTX:Cress
Start	1937	End	20385
GI	none	Score	74
Exons	1937..2065, 1956..2060, 19635..19700, 19965..20171, 19966..20169, 20282..20380, 20287..20385		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	1946	End	21567
GI	none	Score	83
Exons	1946..2074, 1956..2078, 3020..3088, 3384..3569, 3387..3530, 3388..3579, 3392..3580, 3646..3750, 3647..3742, 3822..3935, 3856..3936, 4872..4988, 4872..4991, 19965..20171, 20013..20171, 20257..20394, 20282..20398, 21108..21176, 21517..21567		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	1955	End	21568
GI	none	Score	165
Exons	1955..2074, 1962..2069, 3020..3088, 3025..3087, 3388..3573, 3389..3574, 3389..3577, 3406..3588, 17831..18100, 17836..18102, 17836..18108, 18158..18295, 18168..18293, 18170..18349, 18382..18471, 18383..18469, 18481..18594, 18518..18595, 18521..18613, 18540..18596, 18697..18825, 18699..18761, 18700..18834, 18701..18826, 19485..19694, 19486..19695, 19486..19716, 19487..19696, 19965..20171, 19966..20169, 20000..20170, 20257..20394, 20279..20404, 20282..20398, 20331..20432, 21108..21176, 21113..21175, 21517..21567, 21518..21568		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	3388	End	3881
GI	none	Score	157
Exons	3388..3570, 3392..3577, 3477..3578, 3649..3750, 3670..3750, 3822..3881		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	3646	End	6061
GI	none	Score	125
Exons	3646..3750, 3647..3748, 3667..3750, 3819..3932, 3822..3935, 3832..3936, 4878..4988, 4879..4986, 5995..6060, 6002..6061, 6002..6061		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-

Start	1	End	21627
Name	OJ990412_06.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	3688	End	7078
GI	none	Score	99
Exons	3688..3750, 3689..3748, 3690..3773, 3822..3950, 3832..3936, 4878..5021, 4879..4986, 5995..6090, 6002..6079, 6964..7077, 6973..7077, 7010..7078		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	6973	End	8792
GI	none	Score	49
Exons	6973..7086, 7000..7080, 7174..7194, 7191..7274, 7199..7264, 8270..8446, 8271..8450, 8523..8660, 8545..8661, 8745..8792		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o3.ts	Method	TBLASTX:Soybean
Start	7193	End	8413
GI	none	Score	80
Exons	7193..7276, 7194..7277, 8270..8413, 8271..8411, 8297..8413		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o4.tm	Method	TBLASTX:Maize
Start	11429	End	14632
GI	none	Score	72
Exons	11429..11497, 11430..11492, 11588..11677, 11589..11678, 12327..12425, 12328..12402, 14334..14411, 14334..14411, 14528..14632, 14529..14612		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o4.ts	Method	TBLASTX:Soybean
Start	12318	End	14632
GI	none	Score	64
Exons	12318..12395, 12327..12410, 12328..12402, 14334..14411, 14528..14632, 14528..14632		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.gp	Method	AAT/GAP
Start	17584	End	17798
GI	2796946	Score	394
Exons	17584..17798		
GI Descrip.	11957/emb|X15901|CHOSXX 3.0e-18 Rice complete chloroplast genome		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o3.tw	Method	TBLASTX:Wheat

Start	17829	End	17979
GI	none	Score	179
Exons	17829..17975, 17842..17979, 17843..17977, 17847..17978		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o3.np	Method	AAT/NAP
Start	17851	End	21627
GI	2335108	Score	1077
Exons	17851..18099, 18170..18292, 18382..18468, 18541..18592, 18700..18824, 19485..19693, 19967..20168, 20287..20391, 21114..21175, 21516..21627		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	18167	End	18831
GI	none	Score	66
Exons	18167..18295, 18168..18293, 18170..18298, 18382..18471, 18383..18466, 18541..18600, 18542..18595, 18696..18830, 18697..18831, 18699..18761, 18719..18826		

Seq. No.	4617	Seq. ID	OJ990412_06.9922.C16
Gene No.	9602	Strand	-
Start	1	End	21627
Name	OJ990412_06.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	18448	End	19616
GI	none	Score	99
Exons	18448..18471, 18518..18595, 18541..18594, 18697..18825, 18699..18761, 18700..18834, 19482..19616, 19486..19605		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	2237
GI	2335108	Score	425
Exons	1..41, 304..493, 566..661, 752..860, 1574..1677, 2178..2237		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	301	End	1680
GI	none	Score	82
Exons	301..447, 304..447, 305..487, 309..458, 557..667, 564..647, 728..856, 747..857, 752..874, 777..866, 1561..1623, 1561..1680		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.gs	Method	GENSCAN
Start	304	End	1671

GI	none	Score	.45
Exons	304..493, 566..661, 1450..1474, 1568..1671		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	305	End	802
GI	none	Score	151
Exons	305..487, 309..491, 323..496, 539..664, 553..630, 557..667, 743..802		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	332	End	1677
GI	none	Score	36
Exons	332..352, 351..524, 359..490, 378..494, 382..495, 557..667, 558..665, 743..862, 752..862, 753..866, 1567..1677, 1568..1675		

Seq. No.	4618	Seq. ID	OJ990412_06.9922.C17
Gene No.	9603	Strand	-
Start	1	End	2237
Name	OJ990412_06.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	605	End	1677
GI	none	Score	80
Exons	605..667, 606..713, 743..871, 753..869, 1567..1677, 1568..1675		

Seq. No.	4619	Seq. ID	OJ990412_06.9922.C18
Gene No.	9604	Strand	+
Start	243	End	301
Name	OJ990412_06.9922.C18.o1.gs	Method	GENSCAN
Start	243	End	301
GI	none	Score	.75
Exons	243..301		

Seq. No.	4620	Seq. ID	OJ990412_06.9922.C21
Gene No.	9605	Strand	+
Start	1	End	631
Name	OJ990412_06.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	631
GI	2335108	Score	87
Exons	1..68, 523..631		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4621	Seq. ID	OJ990412_06.9922.C22
Gene No.	9606	Strand	+
Start	474	End	670
Name	OJ990412_06.9922.C22.o1.np	Method	AAT/NAP
Start	474	End	670
GI	2335108	Score	97
Exons	474..670		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4621	Seq. ID	OJ990412_06.9922.C22
Gene No.	9606	Strand	+

Start	474	End	670
Name	OJ990412_06.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	488	End	616
GI	none	Score	171
Exons	488..616, 502..606		

Seq. No.	4622	Seq. ID	OJ990412_06.9922.C24
Gene No.	9607	Strand	+
Start	1	End	444
Name	OJ990412_06.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	444
GI	2335108	Score	186
Exons	1..59, 207..329, 401..444		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	4622	Seq. ID	OJ990412_06.9922.C24
Gene No.	9607	Strand	+
Start	1	End	444
Name	OJ990412_06.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	332
GI	none	Score	51
Exons	2..64, 3..59, 201..329, 204..332, 206..331		

Seq. No.	4622	Seq. ID	OJ990412_06.9922.C24
Gene No.	9607	Strand	+
Start	1	End	444
Name	OJ990412_06.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	6	End	439
GI	none	Score	65
Exons	6..59, 6..59, 198..329, 204..341, 206..331, 398..439, 398..436		

Seq. No.	4622	Seq. ID	OJ990412_06.9922.C24
Gene No.	9607	Strand	+
Start	1	End	444
Name	OJ990412_06.9922.C24.o1.gs	Method	GENSCAN
Start	15	End	329
GI	none	Score	.87
Exons	15..59, 207..329		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	2665890	Score	606
Exons	1..117, 194..346, 582..725, 925..1219		
GI Descrip.	(AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	189	End	697
GI	none	Score	163
Exons	189..350, 189..362, 193..375, 581..694, 582..695, 582..695, 583..696, 584..697		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.gp	Method	AAT/GAP
Start	194	End	659
GI	428545	Score	419
Exons	194..346, 582..659		
GI Descrip.	2665890 4.0e-59 (AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.gs	Method	GENSCAN
Start	194	End	1027
GI	none	Score	.91
Exons	194..346, 582..725, 925..1027		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.tc	Method	TBLASTX:Cress
Start	195	End	1120
GI	none	Score	183
Exons	195..362, 199..351, 579..725, 581..724, 582..725, 583..726, 584..727, 923..1051, 924..1052, 932..1120, 939..1052		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o2.tw	Method	TBLASTX:Wheat
Start	195	End	624
GI	none	Score	119
Exons	195..362, 199..351, 583..624		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.ts	Method	TBLASTX:Soybean
Start	195	End	979
GI	none	Score	153
Exons	195..362, 196..351, 583..726, 584..727, 585..728, 923..979		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	625	End	1052
GI	none	Score	151
Exons	625..726, 627..728, 627..731, 923..1051, 924..1049, 924..1052		

Seq. No.	4623	Seq. ID	OJ990412_06.9922.C26
Gene No.	9608	Strand	-
Start	1	End	1219
Name	OJ990412_06.9922.C26.o2.tm	Method	TBLASTX:Maize
Start	923	End	1052

GI	none	Score	191
Exons	923..1051, 924..1049, 924..1052, 926..1051		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9609	Strand	-
Start	191	End	758
Name	OJ990412_06.9922.C27.o1.np	Method	AAT/NAP
Start	191	End	758
GI	2665890	Score	574
Exons	191..647, 708..758		
GI Descrip.	(AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9609	Strand	-
Start	191	End	758
Name	OJ990412_06.9922.C27.o1.gs	Method	GENSCAN
Start	195	End	758
GI	none	Score	1
Exons	195..758		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9610	Strand	-
Start	2431	End	3834
Name	OJ990412_06.9922.C27.o2.gs	Method	GENSCAN
Start	2431	End	3834
GI	none	Score	.6
Exons	2431..2600, 3294..3361, 3512..3657, 3718..3834		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9610	Strand	-
Start	2431	End	3834
Name	OJ990412_06.9922.C27.o2.np	Method	AAT/NAP
Start	3294	End	3712
GI	6539570	Score	204
Exons	3294..3360, 3520..3712		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775
Name	OJ990412_06.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	133	End	593
GI	none	Score	113
Exons	133..369, 171..416, 192..593, 430..495		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775
Name	OJ990412_06.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	160	End	407
GI	none	Score	93
Exons	160..375, 195..407, 201..407		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775

Name	OJ990412_06.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	171	End	410
GI	none	Score	295
Exons	171..410, 192..410		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775
Name	OJ990412_06.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	171	End	758
GI	none	Score	243
Exons	171..416, 192..605, 462..575, 597..632, 735..758		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775
Name	OJ990412_06.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	411	End	758
GI	none	Score	132
Exons	411..581, 411..599, 582..632, 735..758		

Seq. No.	4624	Seq. ID	OJ990412_06.9922.C27
Gene No.	9611	Strand	-
Start	3849	End	4775
Name	OJ990412_06.9922.C27.o3.np	Method	AAT/NAP
Start	3849	End	4775
GI	6630699	Score	92
Exons	3849..3937, 4751..4775		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4625	Seq. ID	OJ990412_06.9922.C28
Gene No.	9612	Strand	+
Start	66	End	1440
Name	OJ990412_06.9922.C28.o1.gs	Method	GENSCAN
Start	66	End	1440
GI	none	Score	.49
Exons	66..208, 1025..1111, 1383..1440		

Seq. No.	4626	Seq. ID	OJ990412_06.9922.C29
Gene No.	9613	Strand	-
Start	373	End	482
Name	OJ990412_06.9922.C29.o1.gs	Method	GENSCAN
Start	373	End	482
GI	none	Score	.67
Exons	373..482		

Seq. No.	4627	Seq. ID	OJ990412_06.9922.C30
Gene No.	9614	Strand	-
Start	451	End	673
Name	OJ990412_06.9922.C30.o1.np	Method	AAT/NAP
Start	255	End	673
GI	6539570	Score	205
Exons	255..321, 481..673		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	4627	Seq. ID	OJ990412_06.9922.C30
Gene No.	9614	Strand	-
Start	451	End	673
Name	OJ990412_06.9922.C30.o1.gs	Method	GENSCAN
Start	451	End	618
GI	none	Score	.77
Exons	451..618		

Seq. No.	4628	Seq. ID	OJ990412_06.9922.C31
Gene No.	9615	Strand	-
Start	1	End	457
Name	OJ990412_06.9922.C31.o1.gp	Method	AAT/GAP
Start	1	End	457
GI	4350_1.R1084	Score	349
Exons	1..61, 166..223, 366..457		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	4628	Seq. ID	OJ990412_06.9922.C31
Gene No.	9615	Strand	-
Start	1	End	457
Name	OJ990412_06.9922.C31.o1.gs	Method	GENSCAN
Start	166	End	255
GI	none	Score	.45
Exons	166..255		

Seq. No.	4629	Seq. ID	OJ990402_03.9922.C1
Gene No.	9616	Strand	-
Start	495	End	1552
Name	OJ990402_03.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	381	End	1459
GI	none	Score	67
Exons	381..458, 483..794, 1175..1408, 1391..1459		

Seq. No.	4629	Seq. ID	OJ990402_03.9922.C1
Gene No.	9616	Strand	-
Start	495	End	1552
Name	OJ990402_03.9922.C1.o1.np	Method	AAT/NAP
Start	495	End	1552
GI	2792238	Score	413
Exons	495..1552		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	4629	Seq. ID	OJ990402_03.9922.C1
Gene No.	9616	Strand	-
Start	495	End	1552
Name	OJ990402_03.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1085	End	1478
GI	none	Score	128
Exons	1085..1156, 1133..1477, 1239..1478		

Seq. No.	4630	Seq. ID	OJ990402_03.9922.C2
Gene No.	9617	Strand	+
Start	1	End	4632

Name	OJ990402_03.9922.C2.o3.np	Method	AAT/NAP
Start	1	End	4632
GI	4006833	Score	86
Exons	1..45, 2313..2561, 4580..4632		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	4630	Seq. ID	OJ990402_03.9922.C2
Gene No.	9617	Strand	+
Start	1	End	4632
Name	OJ990402_03.9922.C2.o1.gs	Method	GENSCAN
Start	2507	End	3075
GI	none	Score	.48
Exons	2507..2714, 2952..3075		

Seq. No.	4630	Seq. ID	OJ990402_03.9922.C2
Gene No.	9618	Strand	-
Start	1	End	261
Name	OJ990402_03.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	260
GI	2792238	Score	125
Exons	1..260		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	4630	Seq. ID	OJ990402_03.9922.C2
Gene No.	9618	Strand	-
Start	1	End	261
Name	OJ990402_03.9922.C2.o2.np	Method	AAT/NAP
Start	1	End	261
GI	2792222	Score	135
Exons	1..261		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	4630	Seq. ID	OJ990402_03.9922.C2
Gene No.	9619	Strand	
Start	3561	End	3832
Name	OJ990402_03.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	3561	End	3832
GI	none	Score	61
Exons	3561..3596, 3578..3832		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9620	Strand	+
Start	8452	End	12587
Name	OJ990402_03.9922.C3.o2.np	Method	AAT/NAP
Start	8368	End	12587
GI	5042454	Score	3338
Exons	8368..8518, 8921..9027, 9084..10793, 11425..11944, 12523..12587		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9620	Strand	+
Start	8452	End	12587
Name	OJ990402_03.9922.C3.o1.gp	Method	AAT/GAP
Start	8373	End	8749
GI	uC-osflcyp172a09a1	Score	514
Exons	8373..8749		

GI Descrip. '5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9620	Strand	+
Start	8452	End	12587
Name	OJ990402_03.9922.C3.o3.gs	Method	GENSCAN
Start	8452	End	10794
GI	none	Score	.53
Exons	8452..8514, 8923..9027, 9084..9369, 9589..9900, 10054..10317, 10373..10794		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9621	Strand	-
Start	686	End	1801
Name	OJ990402_03.9922.C3.o1.np	Method	AAT/NAP
Start	686	End	1189
GI	5305458	Score	256
Exons	686..1189		
GI Descrip.	(AF074886) resistance protein [Oryza sativa]		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9621	Strand	-
Start	686	End	1801
Name	OJ990402_03.9922.C3.o1.gs	Method	GENSCAN
Start	767	End	1801
GI	none	Score	.93
Exons	767..1801		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9622	Strand	-
Start	2800	End	3543
Name	OJ990402_03.9922.C3.o2.gs	Method	GENSCAN
Start	2800	End	3543
GI	none	Score	.59
Exons	2800..2916, 3212..3292, 3373..3455, 3531..3543		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9623	Strand	-
Start	11399	End	12228
Name	OJ990402_03.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	9756	End	10148
GI	none	Score	58
Exons	9756..9803, 9810..9908, 9815..9907, 9875..10114, 9891..10148		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9623	Strand	-
Start	11399	End	12228
Name	OJ990402_03.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	9761	End	10046
GI	none	Score	197
Exons	9761..10045, 9798..10046		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9623	Strand	-
Start	11399	End	12228
Name	OJ990402_03.9922.C3.o2.tm	Method	TBLASTX:Maize

Start	10492	End	10746
GI	none	Score	140
Exons	10492..10662, 10549..10662, 10650..10745, 10663..10746		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9623	Strand	-
Start	11399	End	12228
Name	OJ990402_03.9922.C3.o4.gs	Method	GENSCAN
Start	11399	End	12228
GI	none	Score	.48
Exons	11399..11464, 11735..12228		

Seq. No.	4631	Seq. ID	OJ990402_03.9922.C3
Gene No.	9623	Strand	-
Start	11399	End	12228
Name	OJ990402_03.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	11780	End	12076
GI	none	Score	255
Exons	11780..12076, 11840..11983, 11908..12057		

Seq. No.	4632	Seq. ID	OJ990402_03.9922.C4
Gene No.	9624	Strand	+
Start	1	End	303
Name	OJ990402_03.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5042454	Score	73
Exons	1..36, 250..303		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4632	Seq. ID	OJ990402_03.9922.C4
Gene No.	9625	Strand	-
Start	374	End	2189
Name	OJ990402_03.9922.C4.o1.gs	Method	GENSCAN
Start	374	End	2189
GI	none	Score	.52
Exons	374..525, 769..837, 1723..1809, 1865..2189		

Seq. No.	4632	Seq. ID	OJ990402_03.9922.C4
Gene No.	9626	Strand	-
Start	4979	End	5066
Name	OJ990402_03.9922.C4.o1.gp	Method	AAT/GAP
Start	4979	End	5066
GI	5867_1.R1084	Score	137
Exons	4979..5066		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	4632	Seq. ID	OJ990402_03.9922.C4
Gene No.	9627	Strand	-
Start	7167	End	9465
Name	OJ990402_03.9922.C4.o3.np	Method	AAT/NAP
Start	6678	End	8019

GI	4512231	Score	97
Exons	6678..7111, 7287..7539, 7892..8019		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4632	Seq. ID	OJ990402_03.9922.C4
Gene No.	9627	Strand	-
Start	7167	End	9465
Name	OJ990402_03.9922.C4.o2.gs	Method	GENSCAN
Start	7167	End	9465
GI	none	Score	.45
Exons	7167..7279, 9095..9260, 9379..9465		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9628	Strand	+
Start	1320	End	1904
Name	OJ990402_03.9922.C5.o1.gs	Method	GENSCAN
Start	1320	End	1904
GI	none	Score	.89
Exons	1320..1904		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9629	Strand	+
Start	3256	End	7016
Name	OJ990402_03.9922.C5.o1.np	Method	AAT/NAP
Start	3205	End	5536
GI	1314742	Score	1078
Exons	3205..3641, 3994..4307, 4658..4722, 5240..5536		
GI Descrip.	(U54767) caffeic acid O-methyltransferase [Hordeum vulgare]		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9629	Strand	+
Start	3256	End	7016
Name	OJ990402_03.9922.C5.o2.gs	Method	GENSCAN
Start	3256	End	7016
GI	none	Score	.7
Exons	3256..3641, 3994..4199, 4658..4722, 5240..5419, 5694..5783, 6621..7016		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9629	Strand	+
Start	3256	End	7016
Name	OJ990402_03.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	3277	End	5623
GI	none	Score	38
Exons	3277..3375, 3293..3334, 3426..3500, 3427..3501, 3531..3644, 3532..3645, 4024..4308, 4025..4312, 4091..4318, 4657..4722, 5228..5482, 5234..5407, 5486..5623		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9629	Strand	+
Start	3256	End	7016
Name	OJ990402_03.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	3439	End	5484
GI	none	Score	57
Exons	3439..3531, 3517..3645, 4025..4312, 4165..4311, 4656..4712, 4657..4722, 5228..5482, 5228..5359, 5422..5484		

Seq. No.	4633	Seq. ID	OJ990402_03.9922.C5
Gene No.	9629	Strand	+
Start	3256	End	7016
Name	OJ990402_03.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	4024	End	5482
GI	none	Score	242
Exons	4024..4308, 4025..4312, 4103..4312, 4656..4715, 4657..4722, 5227..5481, 5228..5482		

Seq. No.	4634	Seq. ID	OJ990402_03.9922.C6
Gene No.	9630	Strand	+
Start	297	End	454
Name	OJ990402_03.9922.C6.o2.np	Method	AAT/NAP
Start	297	End	454
GI	4680183	Score	135
Exons	297..454		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4634	Seq. ID	OJ990402_03.9922.C6
Gene No.	9631	Strand	-
Start	1	End	332
Name	OJ990402_03.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	332
GI	6721561	Score	70
Exons	1..24, 250..332		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4635	Seq. ID	OJ990402_03.9922.C7
Gene No.	9632	Strand	+
Start	1	End	405
Name	OJ990402_03.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	405
GI	4378066	Score	236
Exons	1..405		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	4635	Seq. ID	OJ990402_03.9922.C7
Gene No.	9632	Strand	+
Start	1	End	405
Name	OJ990402_03.9922.C7.o1.gs	Method	GENSCAN
Start	157	End	201
GI	none	Score	.89
Exons	157..201		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9633	Strand	+
Start	636	End	5808
Name	OJ990402_03.9922.C8.o1.gs	Method	GENSCAN
Start	636	End	1513
GI	none	Score	.6
Exons	636..716, 1406..1513		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9633	Strand	+
Start	636	End	5808
Name	OJ990402_03.9922.C8.o1.np	Method	AAT/NAP
Start	928	End	5808
GI	4206306	Score	2357
Exons	928..1001, 2405..5808		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9634	Strand	+
Start	6573	End	7214
Name	OJ990402_03.9922.C8.o3.gs	Method	GENSCAN
Start	6573	End	7214
GI	none	Score	.84
Exons	6573..6706, 6761..7047, 7096..7214		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9635	Strand	+
Start	13576	End	15710
Name	OJ990402_03.9922.C8.o3.np	Method	AAT/NAP
Start	13576	End	15710
GI	100484	Score	1199
Exons	13576..15067, 15152..15710		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o6.tw	Method	TBLASTX:Wheat
Start	2735	End	3088
GI	none	Score	313
Exons	2735..3088, 2740..3087		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	2863	End	3221
GI	none	Score	372
Exons	2863..3219, 2864..3220, 2937..3221		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	3089	End	3508
GI	none	Score	432
Exons	3089..3508, 3091..3264, 3334..3507		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	3248	End	3631
GI	none	Score	384

Exons	3248..3631, 3262..3525		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o3.ts	Method	TBLASTX:Soybean
Start	3350	End	3733
GI	none	Score	232
Exons	3350..3733, 3403..3495		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o10.tw	Method	TBLASTX:Wheat
Start	3557	End	3934
GI	none	Score	94
Exons	3557..3724, 3809..3934		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o7.tw	Method	TBLASTX:Wheat
Start	4001	End	4418
GI	none	Score	54
Exons	4001..4045, 4024..4149, 4164..4418		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o9.tw	Method	TBLASTX:Wheat
Start	4729	End	5085
GI	none	Score	219
Exons	4729..5085, 4966..5082		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	4855	End	5217
GI	none	Score	335
Exons	4855..5217, 5040..5216		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o4.ts	Method	TBLASTX:Soybean
Start	4858	End	5232
GI	none	Score	81
Exons	4858..5001, 4956..5000, 5008..5232, 5106..5216		
Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o2.np	Method	AAT/NAP
Start	7535	End	10036
GI	2443320	Score	1781
Exons	7535..10036		

GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	7574	End	8062
GI	none	Score	364
Exons	7574..8062, 7575..8057, 7906..8061		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o4.gs	Method	GENSCAN
Start	7586	End	11814
GI	none	Score	.54
Exons	7586..8037, 8532..9117, 9638..9769, 10518..10565, 11030..11202, 11312..11594, 11734..11814		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o4.tm	Method	TBLASTX:Maize
Start	7592	End	8173
GI	none	Score	190
Exons	7592..7780, 7799..8173		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	7670	End	8164
GI	none	Score	219
Exons	7670..7774, 7802..8164		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	8135	End	8541
GI	none	Score	300
Exons	8135..8527, 8136..8528, 8482..8541		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9636	Strand	-
Start	7586	End	11814
Name	OJ990402_03.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	8590	End	9067
GI	none	Score	121
Exons	8590..8820, 8618..8764, 8628..8774, 8753..9031, 8818..9030, 8822..9067		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9637	Strand	
Start	13942	End	14622
Name	OJ990402_03.9922.C8.o5.tw	Method	TBLASTX:Wheat
Start	13942	End	14526

GI	none	Score	217
Exons	13942..14232, 13998..14252, 14148..14237, 14281..14400, 14283..14387, 14305..14406, 14306..14407, 14398..14526		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9637	Strand	
Start	13942	End	14622
Name	OJ990402_03.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	13960	End	14237
GI	none	Score	293
Exons	13960..14232, 13977..14237		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9637	Strand	
Start	13942	End	14622
Name	OJ990402_03.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	14269	End	14622
GI	none	Score	276
Exons	14269..14622		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9637	Strand	
Start	13942	End	14622
Name	OJ990402_03.9922.C8.o5.ts	Method	TBLASTX:Soybean
Start	14301	End	14541
GI	none	Score	192
Exons	14301..14540, 14302..14541		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9637	Strand	
Start	13942	End	14622
Name	OJ990402_03.9922.C8.o5.tm	Method	TBLASTX:Maize
Start	14364	End	14601
GI	none	Score	264
Exons	14364..14585, 14395..14601, 14398..14601		

Seq. No.	4636	Seq. ID	OJ990402_03.9922.C8
Gene No.	9638	Strand	
Start	14527	End	14873
Name	OJ990402_03.9922.C8.o8.tw	Method	TBLASTX:Wheat
Start	14527	End	14873
GI	none	Score	59
Exons	14527..14568, 14572..14670, 14574..14672, 14716..14814, 14728..14790, 14823..14873, 14824..14862		

Seq. No.	4637	Seq. ID	OJ990402_03.9922.C9
Gene No.	9639	Strand	+
Start	1	End	1182
Name	OJ990402_03.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	832
GI	4680203	Score	294
Exons	1..832		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4637	Seq. ID	OJ990402_03.9922.C9
Gene No.	9639	Strand	+
Start	1	End	1182

Name	OJ990402_03.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	33	End	682
GI	none	Score	62
Exons	33..92, 89..229, 235..381, 242..397, 386..490, 416..472, 503..607, 514..597, 617..682		

Seq. No.	4637	Seq. ID	OJ990402_03.9922.C9
Gene No.	9639	Strand	+
Start	1	End	1182
Name	OJ990402_03.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	45	End	378
GI	none	Score	57
Exons	45..92, 92..253, 257..376, 265..378		

Seq. No.	4637	Seq. ID	OJ990402_03.9922.C9
Gene No.	9639	Strand	+
Start	1	End	1182
Name	OJ990402_03.9922.C9.o1.gs	Method	GENSCAN
Start	89	End	1182
GI	none	Score	.41
Exons	89..810, 1062..1182		

Seq. No.	4638	Seq. ID	OJ990402_03.9922.C10
Gene No.	9640	Strand	+
Start	238	End	12337
Name	OJ990402_03.9922.C10.o1.gs	Method	GENSCAN
Start	238	End	8024
GI	none	Score	.63
Exons	238..411, 497..1720, 1727..2084, 2104..2237, 2271..2650, 2734..2919, 3066..3176, 3264..3324, 3426..3518, 3596..3734, 5334..5531, 5578..5884, 8003..8024		

Seq. No.	4638	Seq. ID	OJ990402_03.9922.C10
Gene No.	9640	Strand	+
Start	238	End	12337
Name	OJ990402_03.9922.C10.o2.np	Method	AAT/NAP
Start	5433	End	12337
GI	119714	Score	95
Exons	5433..5867, 10960..11010, 12013..12337		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	4638	Seq. ID	OJ990402_03.9922.C10
Gene No.	9641	Strand	-
Start	9762	End	10091
Name	OJ990402_03.9922.C10.o2.gs	Method	GENSCAN
Start	9762	End	10091
GI	none	Score	.63
Exons	9762..10091		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9642	Strand	+
Start	1567	End	7373
Name	OJ990402_03.9922.C11.o1.gs	Method	GENSCAN
Start	1567	End	7373

GI	none	Score	.59
Exons	1567..1658, 1768..1823, 1936..2023, 3009..3114, 3627..3712, 4219..4400, 4466..5498, 5549..7373		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9642	Strand	+
Start	1567	End	7373
Name	OJ990402_03.9922.C11.o1.np	Method	AAT/NAP
Start	4238	End	7370
GI	6907089	Score	4010
Exons	4238..5498, 5600..7370		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o2.np	Method	AAT/NAP
Start	7996	End	13426
GI	6498441	Score	7041
Exons	7996..8277, 8371..9768, 9940..10663, 10839..10973, 11157..11530, 11594..12030, 12361..13426		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o6.tw	Method	TBLASTX:Wheat
Start	8005	End	8607
GI	none	Score	71
Exons	8005..8130, 8009..8131, 8161..8235, 8191..8469, 8305..8607, 8312..8602, 8544..8603		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o2.gs	Method	GENSCAN
Start	8206	End	14105
GI	none	Score	.5
Exons	8206..9492, 9502..10111, 10138..10223, 10237..10485, 10676..11530, 11594..12006, 12404..13540, 13564..13795, 13822..13947, 14001..14105		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	8608	End	8989
GI	none	Score	240
Exons	8608..8988, 8639..8989		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	8803	End	9126

GI	none	Score	212
Exons	8803..9126, 8816..9097		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o9.tw	Method	TBLASTX:Wheat
Start	9319	End	9573
GI	none	Score	186
Exons	9319..9573		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	9373	End	9945
GI	5666795	Score	70
Exons	9373..9573, 9634..9771, 9847..9945		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	9634	End	10092
GI	none	Score	89
Exons	9634..9783, 9635..9772, 9817..10068, 9818..10003, 9871..10092		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o3.np	Method	AAT/NAP
Start	10402	End	14581
GI	5042454	Score	1980
Exons	10402..10501, 12514..13947, 14001..14114, 14511..14581		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o8.tw	Method	TBLASTX:Wheat
Start	10447	End	10705
GI	none	Score	56
Exons	10447..10704, 10568..10705		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	10501	End	10873
GI	none	Score	89
Exons	10501..10698, 10709..10873, 10713..10856		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o3.tm	Method	TBLASTX:Maize

Start	10624	End	11009
GI	none	Score	204
Exons	10624..10818, 10709..11008, 10725..11009		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o5.tw	Method	TBLASTX:Wheat
Start	10748	End	11059
GI	none	Score	180
Exons	10748..11059, 10761..11051		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	11036	End	11392
GI	none	Score	75
Exons	11036..11152, 11036..11392, 11046..11357		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	11060	End	11523
GI	none	Score	219
Exons	11060..11521, 11065..11523, 11066..11521, 11067..11522		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	11117	End	11482
GI	none	Score	121
Exons	11117..11251, 11258..11482		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o4.tw	Method	TBLASTX:Wheat
Start	11678	End	12146
GI	none	Score	85
Exons	11678..11908, 11687..11920, 11718..11924, 11918..12145, 11973..12146		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o7.tw	Method	TBLASTX:Wheat
Start	12885	End	13277
GI	none	Score	102
Exons	12885..13142, 12919..13158, 13125..13223, 13126..13206, 13230..13277		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581

Name	OJ990402_03.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	12987	End	13235
GI	none	Score	105
Exons	12987..13235, 12988..13233		

Seq. No.	4639	Seq. ID	OJ990402_03.9922.C11
Gene No.	9643	Strand	-
Start	8206	End	14581
Name	OJ990402_03.9922.C11.o4.np	Method	AAT/NAP
Start	14152	End	14581
GI	5042454	Score	82
Exons	14152..14205, 14509..14581		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9644	Strand	+
Start	1498	End	3401
Name	OJ990402_03.9922.C12.o1.gs	Method	GENSCAN
Start	1498	End	3401
GI	none	Score	.84
Exons	1498..1502, 2287..2584, 3225..3401		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9645	Strand	+
Start	4631	End	5628
Name	OJ990402_03.9922.C12.o2.gs	Method	GENSCAN
Start	4631	End	5628
GI	none	Score	.65
Exons	4631..4801, 5533..5628		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9646	Strand	+
Start	7226	End	10625
Name	OJ990402_03.9922.C12.o4.gs	Method	GENSCAN
Start	7226	End	10625
GI	none	Score	.63
Exons	7226..7915, 7988..8063, 8151..8347, 8597..8899, 9067..9136, 9293..9655, 9663..9859, 9908..10062, 10364..10625		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9647	Strand	-
Start	6418	End	6765
Name	OJ990402_03.9922.C12.o3.gs	Method	GENSCAN
Start	6418	End	6765
GI	none	Score	.96
Exons	6418..6765		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o5.gs	Method	GENSCAN
Start	11428	End	16218
GI	none	Score	.67
Exons	11428..12259, 12329..12811, 12878..13917, 14023..15258, 15316..15632, 15678..15950, 16170..16218		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12

Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o1.np	Method	AAT/NAP
Start	11431	End	15363
GI	4206306	Score	3002
Exons	11431..15363		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o5.tm	Method	TBLASTX:Maize
Start	11482	End	11727
GI	none	Score	95
Exons	11482..11727, 11507..11638		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	11923	End	12267
GI	none	Score	40
Exons	11923..12213, 12232..12267		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	12025	End	12384
GI	none	Score	111
Exons	12025..12384, 12031..12189, 12032..12292		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o4.tw	Method	TBLASTX:Wheat
Start	12154	End	12543
GI	none	Score	220
Exons	12154..12543		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o4.tm	Method	TBLASTX:Maize
Start	12385	End	12654
GI	none	Score	63
Exons	12385..12525, 12385..12654		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o3.tw	Method	TBLASTX:Wheat
Start	12853	End	13285
GI	none	Score	98
Exons	12853..13062, 13120..13284, 13121..13285		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12

Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o6.tw	Method	TBLASTX:Wheat
Start	13285	End	13494
GI	none	Score	89
Exons	13285..13491, 13339..13494		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	13471	End	13935
GI	none	Score	90
Exons	13471..13935, 13778..13885		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o2.tw	Method	TBLASTX:Wheat
Start	13561	End	13981
GI	none	Score	108
Exons	13561..13980, 13663..13878, 13667..13981		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	13654	End	14037
GI	none	Score	199
Exons	13654..14037, 13667..14014, 13702..14016		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	14065	End	14422
GI	none	Score	226
Exons	14065..14421, 14066..14422		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	14095	End	14550
GI	none	Score	257
Exons	14095..14550, 14096..14524		

Seq. No.	4640	Seq. ID	OJ990402_03.9922.C12
Gene No.	9648	Strand	-
Start	11428	End	16218
Name	OJ990402_03.9922.C12.o5.tw	Method	TBLASTX:Wheat
Start	14755	End	15114
GI	none	Score	103
Exons	14755..14931, 14756..14977, 14983..15114		

Seq. No.	4641	Seq. ID	OJ990402_03.9922.C13
Gene No.	9649	Strand	-

Start	9	End	695
Name	OJ990402_03.9922.C13.o1.gs	Method	GENSCAN
Start	9	End	464
GI	none	Score	.89
Exons	9..464		

Seq. No.	4641	Seq. ID	OJ990402_03.9922.C13
Gene No.	9649	Strand	-
Start	9	End	695
Name	OJ990402_03.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	30	End	690
GI	none	Score	65
Exons	30..101, 37..108, 114..491, 340..477, 478..690, 488..643		

Seq. No.	4641	Seq. ID	OJ990402_03.9922.C13
Gene No.	9649	Strand	-
Start	9	End	695
Name	OJ990402_03.9922.C13.o1.np	Method	AAT/NAP
Start	31	End	695
GI	6742729	Score	392
Exons	31..695		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	4641	Seq. ID	OJ990402_03.9922.C13
Gene No.	9649	Strand	-
Start	9	End	695
Name	OJ990402_03.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	156	End	598
GI	none	Score	61
Exons	156..491, 340..477, 478..597, 488..598		

Seq. No.	4641	Seq. ID	OJ990402_03.9922.C13
Gene No.	9649	Strand	-
Start	9	End	695
Name	OJ990402_03.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	529	End	693
GI	none	Score	143
Exons	529..693, 533..682		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9650	Strand	+
Start	2419	End	6059
Name	OJ990402_03.9922.C14.o1.np	Method	AAT/NAP
Start	2419	End	6059
GI	5902445	Score	957
Exons	2419..3448, 6015..6059		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9651	Strand	-
Start	759	End	4122
Name	OJ990402_03.9922.C14.o1.gs	Method	GENSCAN
Start	759	End	4122
GI	none	Score	.4
Exons	759..977, 2828..2896, 3003..3130, 3717..4122		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14

Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	2419	End	2781
GI	none	Score	120
Exons	2419..2529, 2457..2534, 2534..2611, 2600..2704, 2704..2781, 2715..2780		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	3135	End	3433
GI	none	Score	121
Exons	3135..3266, 3260..3364, 3265..3378, 3395..3433		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o2.np	Method	AAT/NAP
Start	5276	End	6327
GI	5915832	Score	501
Exons	5276..6327		
GI Descrip.	CYTOCHROME P450 76C2 gi|2979549|gb|AAC06158.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o2.gs	Method	GENSCAN
Start	5282	End	6286
GI	none	Score	1
Exons	5282..6286		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	5345	End	6034
GI	none	Score	77
Exons	5345..5533, 5367..5513, 5537..5650, 5646..5891, 5708..5938, 5957..6034, 5965..6033		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	5355	End	5638
GI	none	Score	82
Exons	5355..5528, 5366..5524, 5537..5638, 5548..5574		

Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	5369	End	6256
GI	none	Score	55

Exons	5369..5527, 5382..5528, 5531..5665, 5646..5936, 5708..5938, 5999..6169, 6182..6256		
Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	5381	End	6169
GI	none	Score	99
Exons	5381..5536, 5537..5644, 5691..5903, 5708..5938, 6008..6169		
Seq. No.	4642	Seq. ID	OJ990402_03.9922.C14
Gene No.	9652	Strand	-
Start	5282	End	6327
Name	OJ990402_03.9922.C14.o4.tw	Method	TBLASTX:Wheat
Start	5679	End	5935
GI	none	Score	112
Exons	5679..5903, 5708..5923, 5819..5935		
Seq. No.	4643	Seq. ID	OJ990402_03.9922.C15
Gene No.	9653	Strand	+
Start	1	End	3435
Name	OJ990402_03.9922.C15.o1.gp	Method	AAT/GAP
Start	1	End	3435
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	1..34, 2007..2085, 3394..3435		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	4643	Seq. ID	OJ990402_03.9922.C15
Gene No.	9654	Strand	-
Start	1	End	927
Name	OJ990402_03.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	927
GI	5921185	Score	220
Exons	1..394, 886..927		
GI Descrip.	CYTOCHROME P450 76C1 gi|2979548|gb|AAC06157.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	4643	Seq. ID	OJ990402_03.9922.C15
Gene No.	9654	Strand	-
Start	1	End	927
Name	OJ990402_03.9922.C15.o1.gs	Method	GENSCAN
Start	100	End	217
GI	none	Score	.44
Exons	100..217		
Seq. No.	4643	Seq. ID	OJ990402_03.9922.C15
Gene No.	9655	Strand	-
Start	1436	End	2271
Name	OJ990402_03.9922.C15.o2.gs	Method	GENSCAN
Start	1436	End	2271
GI	none	Score	.6
Exons	1436..1498, 1790..1819, 2156..2271		
Seq. No.	4644	Seq. ID	OJ990402_03.9922.C17

Gene No.	9656	Strand	-
Start	294	End	494
Name	OJ990402_03.9922.C17.o1.gs	Method	GENSCAN
Start	294	End	494
GI	none	Score	.98
Exons	294..494		

Seq. No.	4645	Seq. ID	OJ990402_03.9922.C19
Gene No.	9657	Strand	+
Start	99	End	395
Name	OJ990402_03.9922.C19.o1.gs	Method	GENSCAN
Start	99	End	395
GI	none	Score	.78
Exons	99..395		

Seq. No.	4646	Seq. ID	OJ990402_03.9922.C20
Gene No.	9658	Strand	+
Start	1	End	349
Name	OJ990402_03.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	349
GI	4680183	Score	48
Exons	1..42, 160..349		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4647	Seq. ID	OJ990402_03.9922.C22
Gene No.	9659	Strand	-
Start	1	End	445
Name	OJ990402_03.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	445
GI	4680183	Score	696
Exons	1..445		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4647	Seq. ID	OJ990402_03.9922.C22
Gene No.	9659	Strand	-
Start	1	End	445
Name	OJ990402_03.9922.C22.o1.gs	Method	GENSCAN
Start	106	End	445
GI	none	Score	.79
Exons	106..445		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9660	Strand	+
Start	1	End	2839
Name	OJ990402_03.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	2836
GI	6691716	Score	2241
Exons	1..785, 983..1175, 1257..1562, 1703..1877, 1953..2052, 2202..2318, 2391..2836		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9660	Strand	+
Start	1	End	2839
Name	OJ990402_03.9922.C23.o1.gs	Method	GENSCAN

Start	77	End	2839
GI	none	Score	.65
Exons	77..799, 943..1175, 1257..1615, 1690..1890, 2029..2142, 2214..2318, 2391..2839		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o8.tw	Method	TBLASTX:Wheat
Start	35	End	325
GI	none	Score	222
Exons	35..325		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o2.gs	Method	GENSCAN
Start	3155	End	8978
GI	none	Score	.86
Exons	3155..3537, 3710..6234, 6331..8978		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o5.tw	Method	TBLASTX:Wheat
Start	3167	End	3779
GI	none	Score	80
Exons	3167..3304, 3290..3733, 3519..3620, 3732..3779		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o2.np	Method	AAT/NAP
Start	3191	End	9000
GI	5922631	Score	6488
Exons	3191..5716, 6323..7246, 7373..7524, 7567..8138, 8184..8386, 8636..9000		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o4.tm	Method	TBLASTX:Maize
Start	3204	End	3439
GI	none	Score	104
Exons	3204..3308, 3206..3307, 3287..3439		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o3.tw	Method	TBLASTX:Wheat

Start	3894	End	4281
GI	none	Score	103
Exons	3894..4085, 3894..4280, 3970..4281		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	3924	End	4287
GI	none	Score	67
Exons	3924..3971, 3925..3972, 3963..4286, 3976..4287		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o6.tw	Method	TBLASTX:Wheat
Start	4475	End	6983
GI	none	Score	57
Exons	4475..4546, 6306..6422, 6526..6762, 6528..6758, 6807..6983		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o5.tm	Method	TBLASTX:Maize
Start	4515	End	4769
GI	none	Score	193
Exons	4515..4769		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o4.tw	Method	TBLASTX:Wheat
Start	4599	End	5021
GI	none	Score	251
Exons	4599..5021, 4609..5013		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o2.ts	Method	TBLASTX:Soybean
Start	4642	End	5030
GI	none	Score	148
Exons	4642..5022, 4644..4886, 4926..5030		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o9.tw	Method	TBLASTX:Wheat
Start	5021	End	5307
GI	none	Score	94
Exons	5021..5119, 5022..5297, 5025..5306, 5230..5307		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	5271	End	5687

GI	none	Score	47
Exons	5271..5687, 5290..5460, 5497..5640		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o2.tw	Method	TBLASTX:Wheat
Start	5311	End	5735
GI	none	Score	302
Exons	5311..5691, 5316..5735		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o3.tm	Method	TBLASTX:Maize
Start	5409	End	5792
GI	none	Score	173
Exons	5409..5792, 5410..5688		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	5820	End	6176
GI	none	Score	214
Exons	5820..6176, 5830..6135		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	5850	End	6306
GI	none	Score	268
Exons	5850..6305, 5851..6306		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o3.ts	Method	TBLASTX:Soybean
Start	5901	End	6266
GI	none	Score	138
Exons	5901..6035, 6042..6266		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o6.tm	Method	TBLASTX:Maize
Start	6528	End	6675
GI	none	Score	114
Exons	6528..6674, 6529..6675		

Seq. No.	4648	Seq. ID	OJ990402_03.9922.C23
Gene No.	9661	Strand	-
Start	3155	End	9000
Name	OJ990402_03.9922.C23.o7.tw	Method	TBLASTX:Wheat
Start	7560	End	7962
GI	none	Score	53

Exons	7560..7961, 7915..7962		
Seq. No.	4649	Seq. ID	OJ990402_03.9922.C24
Gene No.	9662	Strand	+
Start	1	End	557
Name	OJ990402_03.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	557
GI	6002279	Score	214
Exons	1..557		
GI Descrip.	(AJ249799) cytochrome P450 monooxygenase [Cicer arietinum]		
Seq. No.	4649	Seq. ID	OJ990402_03.9922.C24
Gene No.	9662	Strand	+
Start	1	End	557
Name	OJ990402_03.9922.C24.o1.gs	Method	GENSCAN
Start	8	End	541
GI	none	Score	.89
Exons	8..541		
Seq. No.	4649	Seq. ID	OJ990402_03.9922.C24
Gene No.	9662	Strand	+
Start	1	End	557
Name	OJ990402_03.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	38	End	541
GI	none	Score	50
Exons	38..112, 125..295, 356..541, 359..475		
Seq. No.	4649	Seq. ID	OJ990402_03.9922.C24
Gene No.	9662	Strand	+
Start	1	End	557
Name	OJ990402_03.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	125	End	541
GI	none	Score	73
Exons	125..286, 356..541, 391..510		
Seq. No.	4649	Seq. ID	OJ990402_03.9922.C24
Gene No.	9662	Strand	+
Start	1	End	557
Name	OJ990402_03.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	128	End	541
GI	none	Score	96
Exons	128..295, 274..510, 350..541		
Seq. No.	4650	Seq. ID	OJ990402_03.9922.C26
Gene No.	9663	Strand	-
Start	300	End	676
Name	OJ990402_03.9922.C26.o1.np	Method	AAT/NAP
Start	222	End	676
GI	6553905	Score	111
Exons	222..676		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		
Seq. No.	4650	Seq. ID	OJ990402_03.9922.C26
Gene No.	9663	Strand	-
Start	300	End	676
Name	OJ990402_03.9922.C26.o1.gs	Method	GENSCAN
Start	300	End	531

GI	none	Score	.55
Exons	300..531		

Seq. No.	4651	Seq. ID	OJ990402_03.9922.C28
Gene No.	9664	Strand	+
Start	116	End	617
Name	OJ990402_03.9922.C28.o1.gs	Method	GENSCAN
Start	116	End	617
GI	none	Score	.56
Exons	116..213, 315..509, 604..617		

Seq. No.	4652	Seq. ID	OJ990412_03.9922.C1
Gene No.	9665	Strand	+
Start	213	End	404
Name	OJ990412_03.9922.C1.o1.gs	Method	GENSCAN
Start	213	End	404
GI	none	Score	.83
Exons	213..404		

Seq. No.	4652	Seq. ID	OJ990412_03.9922.C1
Gene No.	9666	Strand	+
Start	363	End	791
Name	OJ990412_03.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	209	End	374
GI	none	Score	202
Exons	209..373, 209..373, 210..374, 210..374		

Seq. No.	4652	Seq. ID	OJ990412_03.9922.C1
Gene No.	9666	Strand	+
Start	363	End	791
Name	OJ990412_03.9922.C1.o1.gp	Method	AAT/GAP
Start	363	End	791
GI	4715863	Score	831
Exons	363..791		

Seq. No.	4653	Seq. ID	OJ990412_03.9922.C2
Gene No.	9667	Strand	+
Start	389	End	701
Name	OJ990412_03.9922.C2.o1.gp	Method	AAT/GAP
Start	389	End	701
GI	18310_1.R1084	Score	242
Exons	389..462, 608..701		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	4653	Seq. ID	OJ990412_03.9922.C2
Gene No.	9667	Strand	+
Start	389	End	701
Name	OJ990412_03.9922.C2.o1.gs	Method	GENSCAN
Start	394	End	462
GI	none	Score	.89
Exons	394..462		

Seq. No.	4654	Seq. ID	OJ990412_03.9922.C3
Gene No.	9668	Strand	+
Start	48	End	433
Name	OJ990412_03.9922.C3.o1.gp	Method	AAT/GAP
Start	48	End	398

GI	1632690	Score	653
Exons	48..398		

Seq. No.	4654	Seq. ID	OJ990412_03.9922.C3
Gene No.	9668	Strand	+
Start	48	End	433
Name	OJ990412_03.9922.C3.o1.gs	Method	GENSCAN
Start	95	End	433
GI	none	Score	.95
Exons	95..433		

Seq. No.	4654	Seq. ID	OJ990412_03.9922.C3
Gene No.	9668	Strand	+
Start	48	End	433
Name	OJ990412_03.9922.C3.o1.np	Method	AAT/NAP
Start	137	End	361
GI	2253578	Score	114
Exons	137..361		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4654	Seq. ID	OJ990412_03.9922.C3
Gene No.	9669	Strand	+
Start	484	End	652
Name	OJ990412_03.9922.C3.o2.gp	Method	AAT/GAP
Start	484	End	652
GI	none	Score	330
Exons	484..652		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9670	Strand	+
Start	1	End	3263
Name	OJ990412_03.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	1741
GI	417154	Score	2552
Exons	1..19, 194..1741		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9670	Strand	+
Start	1	End	3263
Name	OJ990412_03.9922.C4.o1.gp	Method	AAT/GAP
Start	191	End	1299
GI	438_1.R1084	Score	2090
Exons	191..1299		
GI Descrip.	'417154/sp|P33126|HS82_ORYSA 1.0e-172 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9670	Strand	+
Start	1	End	3263
Name	OJ990412_03.9922.C4.o1.gs	Method	GENSCAN
Start	194	End	3263
GI	none	Score	.73

Exons	194..1735, 2571..2682, 2773..3263		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9670	Strand	+
Start	1	End	3263
Name	OJ990412_03.9922.C4.o2.gp	Method	AAT/GAP
Start	1310	End	1865
GI	269_10.R1084	Score	699
Exons	1310..1865		
GI Descrip.	'547683/sp|P36181|HS80_LYCES 1.0e-50 HEAT SHOCK COGNATE PROTEIN 80 >gi_170456 (M96549) heat shock cognate protein 80 [Solanum lycopersicum] >gi_445601_prf__1909348A heat shock protein hsp80 [Lycopersicon esculentum]'		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9670	Strand	+
Start	1	End	3263
Name	OJ990412_03.9922.C4.o4.gp	Method	AAT/GAP
Start	2878	End	3228
GI	1632690	Score	653
Exons	2878..3228		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9671	Strand	+
Start	3543	End	4133
Name	OJ990412_03.9922.C4.o5.gp	Method	AAT/GAP
Start	3543	End	4133
GI	57046_1.R1084	Score	1096
Exons	3543..4133		
GI Descrip.	'2541876/dbj|BAA22813| 1.0e-26 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9672	Strand	+
Start	4142	End	4529
Name	OJ990412_03.9922.C4.o6.gp	Method	AAT/GAP
Start	4142	End	4529
GI	50321_1.R1084	Score	742
Exons	4142..4529		
GI Descrip.	'2541876/dbj|BAA22813| 1.0e-08 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9673	Strand	+
Start	7941	End	10312
Name	OJ990412_03.9922.C4.o3.gs	Method	GENSCAN
Start	7941	End	10312
GI	none	Score	.53
Exons	7941..8012, 9260..9484, 9884..10312		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9673	Strand	+
Start	7941	End	10312
Name	OJ990412_03.9922.C4.o8.gp	Method	AAT/GAP
Start	9243	End	10312
GI	438_2.R1084	Score	1085
Exons	9243..9484, 9884..10312		

GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9673	Strand	+
Start	7941	End	10312
Name	OJ990412_03.9922.C4.o3.np	Method	AAT/NAP
Start	9359	End	10309
GI	417154	Score	851
Exons	9359..9484, 9884..10309		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9674	Strand	-
Start	1475	End	1961
Name	OJ990412_03.9922.C4.o3.gp	Method	AAT/GAP
Start	1475	End	1961
GI	269_4.R1084	Score	754
Exons	1475..1961		
GI Descrip.	'425794/dbj|D21284|RICAD167 1.0e-154 Rice mRNA for heat shock protein 82 (gene name AD167), partial cds'		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	190	End	1750
GI	none	Score	154
Exons	190..306, 191..286, 192..317, 400..633, 410..637, 421..627, 575..838, 625..1065, 626..1750, 627..953, 886..1197, 1107..1376, 1295..1744		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	191	End	10315
GI	none	Score	142
Exons	191..274, 191..283, 192..314, 196..309, 400..1068, 410..1714, 411..758, 421..777, 819..944, 886..1197, 1122..1208, 1278..1376, 1295..1714, 1709..1744, 9349..9483, 9350..9484, 9875..10156, 9884..10309, 9940..10302, 10217..10315		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	191	End	640
GI	none	Score	140
Exons	191..277, 191..289, 192..314, 196..306, 408..632, 410..640, 421..633		
Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341

Name	OJ990412_03.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	198	End	10331
GI	none	Score	113
Exons	198..311, 200..274, 202..309, 425..658, 431..634, 433..657, 673..741, 677..742, 749..838, 751..1068, 752..1183, 819..944, 886..1176, 1115..1180, 1162..1197, 1163..1657, 1170..1205, 1278..1358, 1295..1657, 1703..1744, 9323..9484, 9382..9483, 9881..9982, 9884..9985, 9970..10050, 9986..10045, 10027..10131, 10031..10132, 10112..10318, 10118..10156, 10120..10314, 10233..10331		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	719	End	1576
GI	none	Score	1278
Exons	719..1549, 719..838, 819..956, 886..1197, 1107..1208, 1275..1373, 1295..1534, 1345..1539, 1523..1576, 1541..1576		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	3689	End	4807
GI	none	Score	68
Exons	3689..3832, 3884..3997, 4310..4507, 4338..4505, 4508..4807, 4638..4760		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	3704	End	4963
GI	none	Score	202
Exons	3704..4087, 3708..4010, 4136..4177, 4166..4516, 4338..4532, 4523..4621, 4625..4795, 4638..4769, 4796..4963		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.gs	Method	GENSCAN
Start	3710	End	5883
GI	none	Score	1
Exons	3710..4977, 5694..5883		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.np	Method	AAT/NAP
Start	3713	End	5877
GI	2541876	Score	918
Exons	3713..4972, 5689..5877		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4

Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	3716	End	3959
GI	none	Score	141
Exons	3716..3859, 3720..3857, 3855..3959, 3863..3958, 3909..3959		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	4136	End	4979
GI	none	Score	100
Exons	4136..4177, 4169..4501, 4317..4502, 4517..4774, 4638..4772, 4643..4816, 4893..4979		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o7.gp	Method	AAT/GAP
Start	4543	End	5960
GI	26292_1.R1084	Score	1340
Exons	4543..4977, 5694..5960		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	4765	End	10132
GI	none	Score	203
Exons	4765..4854, 9355..9483, 9356..9484, 9884..10126, 9886..10128, 9887..10132		

Seq. No.	4655	Seq. ID	OJ990412_03.9922.C4
Gene No.	9675	Strand	-
Start	3710	End	10341
Name	OJ990412_03.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	9349	End	10341
GI	none	Score	204
Exons	9349..9483, 9350..9484, 9358..9486, 9884..10309, 9887..10156, 9934..10341		

Seq. No.	4656	Seq. ID	OJ990412_03.9922.C5
Gene No.	9676	Strand	-
Start	298	End	564
Name	OJ990412_03.9922.C5.o1.gp	Method	AAT/GAP
Start	298	End	564
GI	26292_1.R1084	Score	502
Exons	298..564		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	4657	Seq. ID	OJ990412_03.9922.C6
Gene No.	9677	Strand	+
Start	1	End	761

Name	OJ990412_03.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	761
GI	4587599	Score	298
Exons	1..110, 234..329, 400..613, 640..761		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4657	Seq. ID	OJ990412_03.9922.C6
Gene No.	9677	Strand	+
Start	1	End	761
Name	OJ990412_03.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	68	End	528
GI	none	Score	63
Exons	68..109, 69..110, 69..119, 220..330, 222..335, 233..328, 397..465, 399..470, 399..464, 468..527, 469..528, 475..528		

Seq. No.	4657	Seq. ID	OJ990412_03.9922.C6
Gene No.	9677	Strand	+
Start	1	End	761
Name	OJ990412_03.9922.C6.o1.gp	Method	AAT/GAP
Start	276	End	513
GI	12582_1.R1084	Score	272
Exons	276..329, 400..513		
GI Descrip.	'1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	4657	Seq. ID	OJ990412_03.9922.C6
Gene No.	9677	Strand	+
Start	1	End	761
Name	OJ990412_03.9922.C6.o1.gs	Method	GENSCAN
Start	400	End	513
GI	none	Score	.89
Exons	400..513		

Seq. No.	4658	Seq. ID	OJ990412_03.9922.C7
Gene No.	9678	Strand	-
Start	1	End	365
Name	OJ990412_03.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	365
GI	5852175	Score	72
Exons	1..365		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4658	Seq. ID	OJ990412_03.9922.C7
Gene No.	9678	Strand	-
Start	1	End	365
Name	OJ990412_03.9922.C7.o1.gs	Method	GENSCAN
Start	167	End	288
GI	none	Score	.85
Exons	167..288		

Seq. No.	4659	Seq. ID	OJ990412_03.9922.C8
Gene No.	9679	Strand	-
Start	1	End	688
Name	OJ990412_03.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	688
GI	5042454	Score	149
Exons	1..276, 655..688		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	4659	Seq. ID	OJ990412_03.9922.C8
Gene No.	9679	Strand	-
Start	1	End	688
Name	OJ990412_03.9922.C8.o1.gs	Method	GENSCAN
Start	10	End	516
GI	none	Score	.59
Exons	10..142, 304..516		

Seq. No.	4660	Seq. ID	OJ990412_03.9922.C10
Gene No.	9680	Strand	+
Start	97	End	177
Name	OJ990412_03.9922.C10.o1.gs	Method	GENSCAN
Start	97	End	177
GI	none	Score	.7
Exons	97..177		

Seq. No.	4661	Seq. ID	OJ990412_03.9922.C11
Gene No.	9681	Strand	+
Start	1	End	174
Name	OJ990412_03.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	174
GI	417154	Score	174
Exons	1..174		

GI Descrip. HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]

Seq. No.	4661	Seq. ID	OJ990412_03.9922.C11
Gene No.	9681	Strand	+
Start	1	End	174
Name	OJ990412_03.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	3	End	174
GI	none	Score	165
Exons	3..173, 4..174		

Seq. No.	4661	Seq. ID	OJ990412_03.9922.C11
Gene No.	9681	Strand	+
Start	1	End	174
Name	OJ990412_03.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	174
GI	none	Score	175
Exons	3..173, 4..174		

Seq. No.	4661	Seq. ID	OJ990412_03.9922.C11
Gene No.	9681	Strand	+
Start	1	End	174
Name	OJ990412_03.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	9	End	170
GI	none	Score	171
Exons	9..170, 10..168		

Seq. No.	4661	Seq. ID	OJ990412_03.9922.C11
Gene No.	9681	Strand	+
Start	1	End	174
Name	OJ990412_03.9922.C11.o1.gs	Method	GENSCAN

Start	43	End	141
GI	none	Score	.44
Exons	43..141		

Seq. No.	4662	Seq. ID	OJ990412_03.9922.C14
Gene No.	9682	Strand	-
Start	308	End	621
Name	OJ990412_03.9922.C14.o1.gs	Method	GENSCAN
Start	308	End	621
GI	none	Score	.66
Exons	308..552, 570..621		

Seq. No.	4663	Seq. ID	OJ990412_03.9922.C17
Gene No.	9683	Strand	-
Start	301	End	1334
Name	OJ990412_03.9922.C17.o1.np	Method	AAT/NAP
Start	301	End	1334
GI	4680183	Score	205
Exons	301..390, 996..1085, 1301..1334		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4664	Seq. ID	OJ990412_03.9922.C18
Gene No.	9684	Strand	-
Start	1	End	69
Name	OJ990412_03.9922.C18.o1.gp	Method	AAT/GAP
Start	1	End	69
GI	1631757	Score	102
Exons	1..69		
GI Descrip.	5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]		

Seq. No.	4665	Seq. ID	OJ990412_03.9922.C20
Gene No.	9685	Strand	+
Start	1	End	623
Name	OJ990412_03.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	623
GI	1483177	Score	106
Exons	1..43, 434..623		
GI Descrip.	(D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	4665	Seq. ID	OJ990412_03.9922.C20
Gene No.	9685	Strand	+
Start	1	End	623
Name	OJ990412_03.9922.C20.o1.gp	Method	AAT/GAP
Start	395	End	503
GI	5607469	Score	139
Exons	395..503		

Seq. No.	4665	Seq. ID	OJ990412_03.9922.C20
Gene No.	9685	Strand	+
Start	1	End	623
Name	OJ990412_03.9922.C20.o1.gs	Method	GENSCAN
Start	423	End	578
GI	none	Score	.55
Exons	423..578		

Seq. No.	4666	Seq. ID	OJ990412_03.9922.C21

Gene No.	9686	Strand	-
Start	1	End	694
Name	OJ990412_03.9922.C21.o1.gp	Method	AAT/GAP
Start	1	End	390
GI	26292_1.R1084	Score	703
Exons	1..390		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	4666	Seq. ID	OJ990412_03.9922.C21
Gene No.	9686	Strand	-
Start	1	End	694
Name	OJ990412_03.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	694
GI	2541876	Score	208
Exons	1..440, 640..694		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	4666	Seq. ID	OJ990412_03.9922.C21
Gene No.	9686	Strand	-
Start	1	End	694
Name	OJ990412_03.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	374
GI	none	Score	67
Exons	1..33, 37..78, 78..206, 79..180, 207..374		

Seq. No.	4666	Seq. ID	OJ990412_03.9922.C21
Gene No.	9686	Strand	-
Start	1	End	694
Name	OJ990412_03.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	37	End	380
GI	none	Score	50
Exons	37..78, 50..79, 79..183, 102..188, 234..296, 247..291, 315..380, 331..363		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9687	Strand	+
Start	1	End	890
Name	OJ990412_03.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	890
GI	4680179	Score	1484
Exons	1..890		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9688	Strand	-
Start	17	End	866
Name	OJ990412_03.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	2	End	512
GI	none	Score	590
Exons	2..511, 3..512		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9688	Strand	-
Start	17	End	866
Name	OJ990412_03.9922.C22.o1.gs	Method	GENSCAN

Start	17	End	788
GI	none	Score	.93
Exons	17..44, 193..233, 453..542, 702..788		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9688	Strand	-
Start	17	End	866
Name	OJ990412_03.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	66	End	665
GI	none	Score	226
Exons	66..227, 74..220, 225..665, 227..652		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9688	Strand	-
Start	17	End	866
Name	OJ990412_03.9922.C22.o2.tw	Method	TBLASTX:Wheat
Start	512	End	845
GI	none	Score	374
Exons	512..565, 513..845, 540..620, 605..721, 663..824		

Seq. No.	4667	Seq. ID	OJ990412_03.9922.C22
Gene No.	9688	Strand	-
Start	17	End	866
Name	OJ990412_03.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	669	End	866
GI	none	Score	200
Exons	669..866		

Seq. No.	4668	Seq. ID	OJ990412_03.9922.C23
Gene No.	9689	Strand	+
Start	1	End	1287
Name	OJ990412_03.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	1287
GI	1185397	Score	135
Exons	1..580, 1261..1287		
GI Descrip.	(U25281) SH3 domain binding protein [Rattus norvegicus] gi|1587070|prf||2205340A CR16 gene [Rattus norvegicus]		

Seq. No.	4668	Seq. ID	OJ990412_03.9922.C23
Gene No.	9690	Strand	-
Start	200	End	1287
Name	OJ990412_03.9922.C23.o2.np	Method	AAT/NAP
Start	200	End	1287
GI	4680183	Score	56
Exons	200..295, 1009..1076, 1214..1287		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4669	Seq. ID	OJ990412_03.9922.C24
Gene No.	9691	Strand	+
Start	40	End	1857
Name	OJ990412_03.9922.C24.o1.gs	Method	GENSCAN
Start	40	End	1857
GI	none	Score	.91
Exons	40..364, 762..962, 984..1142, 1787..1857		

Seq. No.	4669	Seq. ID	OJ990412_03.9922.C24
Gene No.	9692	Strand	-

Start	1	End	1151
Name	OJ990412_03.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	1151
GI	4680184	Score	601
Exons	1..661, 695..1151		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4669	Seq. ID	OJ990412_03.9922.C24
Gene No.	9693	Strand	-
Start	1560	End	3552
Name	OJ990412_03.9922.C24.o2.np	Method	AAT/NAP
Start	1560	End	3552
GI	4680186	Score	327
Exons	1560..1662, 2330..2625, 3132..3291, 3459..3552		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4669	Seq. ID	OJ990412_03.9922.C24
Gene No.	9693	Strand	-
Start	1560	End	3552
Name	OJ990412_03.9922.C24.o2.gs	Method	GENSCAN
Start	3207	End	3298
GI	none	Score	.92
Exons	3207..3298		

Seq. No.	4670	Seq. ID	OJ990412_03.9922.C25
Gene No.	9694	Strand	-
Start	1	End	1034
Name	OJ990412_03.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	6907086	Score	459
Exons	1..51, 141..1034		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4670	Seq. ID	OJ990412_03.9922.C25
Gene No.	9694	Strand	-
Start	1	End	1034
Name	OJ990412_03.9922.C25.o1.gs	Method	GENSCAN
Start	155	End	830
GI	none	Score	.41
Exons	155..533, 567..727, 777..830		

Seq. No.	4671	Seq. ID	OJ990412_03.9922.C26
Gene No.	9695	Strand	-
Start	259	End	727
Name	OJ990412_03.9922.C26.o1.gs	Method	GENSCAN
Start	259	End	654
GI	none	Score	.64
Exons	259..654		

Seq. No.	4671	Seq. ID	OJ990412_03.9922.C26
Gene No.	9695	Strand	-
Start	259	End	727
Name	OJ990412_03.9922.C26.o1.np	Method	AAT/NAP
Start	262	End	727
GI	4680179	Score	788
Exons	262..727		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4671	Seq. ID	OJ990412_03.9922.C26
Gene No.	9695	Strand	-
Start	259	End	727
Name	OJ990412_03.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	272	End	726
GI	none	Score	35
Exons	272..325, 307..726, 328..489, 431..547, 532..612, 569..709		

Seq. No.	4671	Seq. ID	OJ990412_03.9922.C26
Gene No.	9695	Strand	-
Start	259	End	727
Name	OJ990412_03.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	403	End	663
GI	none	Score	67
Exons	403..663, 421..549, 440..649		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	1842
GI	4680179	Score	3077
Exons	1..1842		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o5.tm	Method	TBLASTX:Maize
Start	56	End	250
GI	none	Score	152
Exons	56..250, 58..249		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o3.tw	Method	TBLASTX:Wheat
Start	59	End	531
GI	none	Score	300
Exons	59..529, 67..531		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.gs	Method	GENSCAN
Start	124	End	1724
GI	none	Score	.97
Exons	124..1724		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	253	End	573
GI	none	Score	180
Exons	253..558, 256..573, 260..562		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o2.ts	Method	TBLASTX:Soybean
Start	490	End	750
GI	none	Score	157
Exons	490..750, 491..745		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	514	End	831
GI	none	Score	87
Exons	514..657, 515..655, 658..831		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	538	End	1017
GI	none	Score	244
Exons	538..1017, 539..793, 571..984		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o4.tm	Method	TBLASTX:Maize
Start	574	End	888
GI	none	Score	107
Exons	574..888, 575..778, 586..807		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	1021	End	1530
GI	none	Score	240
Exons	1021..1530, 1105..1452, 1109..1498		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	1093	End	1458
GI	none	Score	158
Exons	1093..1404, 1105..1458, 1109..1456		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o3.ts	Method	TBLASTX:Soybean
Start	1279	End	1524
GI	none	Score	202
Exons	1279..1524		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o3.tm	Method	TBLASTX:Maize
Start	1465	End	1812
GI	none	Score	36
Exons	1465..1812, 1466..1495, 1504..1719, 1535..1801		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o4.tw	Method	TBLASTX:Wheat
Start	1531	End	1833
GI	none	Score	256
Exons	1531..1833, 1532..1831		

Seq. No.	4672	Seq. ID	OJ990412_03.9922.C27
Gene No.	9696	Strand	-
Start	1	End	1842
Name	OJ990412_03.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	1546	End	1842
GI	none	Score	194
Exons	1546..1842, 1547..1840		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	2247
GI	4680179	Score	3749
Exons	1..2247		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	4	End	453
GI	none	Score	129
Exons	4..453, 20..382		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o1.gs	Method	GENSCAN
Start	14	End	2712
GI	none	Score	.45
Exons	14..2247, 2677..2712		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o1.tw	Method	TBLASTX:Wheat
Start	40	End	522
GI	none	Score	173
Exons	40..522, 49..411, 83..418		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o3.tw	Method	TBLASTX:Wheat
Start	685	End	1101
GI	none	Score	105
Exons	685..870, 686..841, 892..1101, 953..1051		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o3.tm	Method	TBLASTX:Maize
Start	784	End	1104
GI	none	Score	63
Exons	784..1104, 959..1051		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o2.tm	Method	TBLASTX:Maize
Start	1408	End	1740
GI	none	Score	104
Exons	1408..1740, 1456..1740		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o2.tw	Method	TBLASTX:Wheat
Start	1621	End	1980
GI	none	Score	92
Exons	1621..1980, 1622..1855, 1880..1954		

Seq. No.	4673	Seq. ID	OJ990412_03.9922.C28
Gene No.	9697	Strand	-
Start	1	End	2776
Name	OJ990412_03.9922.C28.o2.np	Method	AAT/NAP
Start	2501	End	2776
GI	5042448	Score	355
Exons	2501..2776		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4674	Seq. ID	OJ990412_03.9922.C29
Gene No.	9698	Strand	+
Start	1197	End	1364
Name	OJ990412_03.9922.C29.o2.np	Method	AAT/NAP
Start	1197	End	1364
GI	4680183	Score	51
Exons	1197..1364		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4674	Seq. ID	OJ990412_03.9922.C29
Gene No.	9699	Strand	-
Start	1	End	487
Name	OJ990412_03.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	421
GI	5042448	Score	674

Exons	1..421		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	4674	Seq. ID	OJ990412_03.9922.C29
Gene No.	9699	Strand	-
Start	1	End	487
Name	OJ990412_03.9922.C29.o1.gs	Method	GENSCAN
Start	99	End	487
GI	none	Score	.81
Exons	99..487		
Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9700	Strand	+
Start	2841	End	4685
Name	OJ990412_03.9922.C30.o2.np	Method	AAT/NAP
Start	2841	End	4685
GI	4115536	Score	228
Exons	2841..2932, 4288..4685		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		
Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9701	Strand	-
Start	892	End	1247
Name	OJ990412_03.9922.C30.o1.np	Method	AAT/NAP
Start	892	End	1247
GI	103076	Score	127
Exons	892..1097, 1139..1247		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		
Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o2.tm	Method	TBLASTX:Maize
Start	4270	End	4673
GI	none	Score	58
Exons	4270..4344, 4342..4437, 4355..4456, 4355..4459, 4506..4673, 4514..4672		
Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o2.ts	Method	TBLASTX:Soybean
Start	4270	End	4667
GI	none	Score	66
Exons	4270..4344, 4354..4446, 4355..4450, 4509..4667, 4541..4648		
Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o1.gp	Method	AAT/GAP
Start	4765	End	5463
GI	59696_1.R1084	Score	1329
Exons	4765..5463		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o3.np	Method	AAT/NAP
Start	4994	End	5416
GI	3128177	Score	311
Exons	4994..5416		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o1.ts	Method	TBLASTX:Soybean
Start	5021	End	5417
GI	none	Score	68
Exons	5021..5209, 5043..5123, 5231..5284, 5231..5416, 5343..5417		

Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o1.tc	Method	TBLASTX:Cress
Start	5054	End	5419
GI	none	Score	170
Exons	5054..5209, 5213..5419		

Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	5135	End	5428
GI	none	Score	213
Exons	5135..5428, 5144..5416		

Seq. No.	4675	Seq. ID	OJ990412_03.9922.C30
Gene No.	9702	Strand	-
Start	4765	End	5463
Name	OJ990412_03.9922.C30.o1.tw	Method	TBLASTX:Wheat
Start	5249	End	5425
GI	none	Score	132
Exons	5249..5425, 5249..5419		

Seq. No.	4676	Seq. ID	OJ990412_03.9922.C31
Gene No.	9703	Strand	+
Start	64	End	1727
Name	OJ990412_03.9922.C31.o1.gs	Method	GENSCAN
Start	64	End	1727
GI	none	Score	.9
Exons	64..231, 248..319, 1440..1727		

Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9704	Strand	+
Start	602	End	2443
Name	OJ990412_03.9922.C32.o1.gs	Method	GENSCAN
Start	602	End	2443
GI	none	Score	.6

Exons	602..656, 1614..2443		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9704	Strand	+
Start	602	End	2443
Name	OJ990412_03.9922.C32.o1.np	Method	AAT/NAP
Start	1661	End	2431
GI	4544419	Score	594
Exons	1661..2431		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9705	Strand	+
Start	6273	End	6524
Name	OJ990412_03.9922.C32.o1.gp	Method	AAT/GAP
Start	6273	End	6524
GI	61605_3.R1084	Score	409
Exons	6273..6524		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9706	Strand	-
Start	3672	End	6562
Name	OJ990412_03.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	1792	End	2483
GI	none	Score	179
Exons	1792..1923, 1793..1915, 1834..1923, 1903..2247, 1912..2325, 1913..2251, 2294..2338, 2402..2440, 2430..2483		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9706	Strand	-
Start	3672	End	6562
Name	OJ990412_03.9922.C32.o1.ts	Method	TBLASTX:Soybean
Start	1796	End	2251
GI	none	Score	517
Exons	1796..2251, 1798..2241		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9706	Strand	-
Start	3672	End	6562
Name	OJ990412_03.9922.C32.o1.tc	Method	TBLASTX:Cress
Start	1798	End	2251
GI	none	Score	505
Exons	1798..2241, 1799..2251, 1988..2251		
Seq. No.	4677	Seq. ID	OJ990412_03.9922.C32
Gene No.	9706	Strand	-
Start	3672	End	6562
Name	OJ990412_03.9922.C32.o2.gs	Method	GENSCAN
Start	3672	End	6562
GI	none	Score	.52
Exons	3672..3929, 6404..6562		
Seq. No.	4678	Seq. ID	OJ990412_03.9922.C33
Gene No.	9707	Strand	+
Start	739	End	1414

Name	OJ990412_03.9922.C33.o1.gs	Method	GENSCAN
Start	739	End	1414
GI	none	Score	.64
Exons	739..1062, 1082..1265, 1296..1414		

Seq. No.	4678	Seq. ID	OJ990412_03.9922.C33
Gene No.	9708	Strand	-
Start	1	End	84
Name	OJ990412_03.9922.C33.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	2428185	Score	160
Exons	1..84		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	4678	Seq. ID	OJ990412_03.9922.C33
Gene No.	9709	Strand	-
Start	2534	End	2667
Name	OJ990412_03.9922.C33.o2.gs	Method	GENSCAN
Start	2534	End	2667
GI	none	Score	.98
Exons	2534..2667		

Seq. No.	4679	Seq. ID	OJ990412_03.9922.C34
Gene No.	9710	Strand	+
Start	1	End	4788
Name	OJ990412_03.9922.C34.o3.np	Method	AAT/NAP
Start	1	End	4788
GI	5852175	Score	106
Exons	1..148, 4067..4119, 4689..4788		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4679	Seq. ID	OJ990412_03.9922.C34
Gene No.	9711	Strand	+
Start	8726	End	9549
Name	OJ990412_03.9922.C34.o4.np	Method	AAT/NAP
Start	8726	End	9549
GI	6815109	Score	208
Exons	8726..8800, 9037..9371, 9458..9549		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4679	Seq. ID	OJ990412_03.9922.C34
Gene No.	9712	Strand	-
Start	1	End	1523
Name	OJ990412_03.9922.C34.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	6907086	Score	1128
Exons	1..294, 525..696, 757..1523		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4679	Seq. ID	OJ990412_03.9922.C34
Gene No.	9713	Strand	-
Start	2237	End	3220
Name	OJ990412_03.9922.C34.o2.np	Method	AAT/NAP
Start	2237	End	3220
GI	4680186	Score	182
Exons	2237..2655, 3157..3220		

GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	4679	Seq. ID	OJ990412_03.9922.C34
Gene No.	9714	Strand	-
Start	5295	End	5583
Name	OJ990412_03.9922.C34.o1.gp	Method	AAT/GAP
Start	5295	End	5583
GI	61605_3.R1084	Score	416
Exons	5295..5583		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9715	Strand	+
Start	1	End	11653
Name	OJ990412_03.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	3192
GI	5042454	Score	261
Exons	1..572, 3167..3192		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9715	Strand	+
Start	1	End	11653
Name	OJ990412_03.9922.C35.o1.gs	Method	GENSCAN
Start	49	End	11653
GI	none	Score	.42
Exons	49..168, 330..512, 560..660, 3714..3865, 4420..4614, 5760..5955, 6480..6507, 9063..9120, 10758..10779, 11432..11577, 11610..11653		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9715	Strand	+
Start	1	End	11653
Name	OJ990412_03.9922.C35.o2.np	Method	AAT/NAP
Start	2480	End	2690
GI	6815109	Score	162
Exons	2480..2690		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9715	Strand	+
Start	1	End	11653
Name	OJ990412_03.9922.C35.o1.gp	Method	AAT/GAP
Start	5807	End	6356
GI	none	Score	1028
Exons	5807..6356		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9716	Strand	+
Start	11892	End	12373
Name	OJ990412_03.9922.C35.o2.gp	Method	AAT/GAP
Start	11892	End	12373
GI	none	Score	952
Exons	11892..12373		
Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9717	Strand	-

Start	11043	End	17769
Name	OJ990412_03.9922.C35.o4.np	Method	AAT/NAP
Start	11043	End	17769
GI	1947160	Score	104
Exons	11043..11075, 11476..11585, 15951..16361, 17584..17769		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9717	Strand	-
Start	11043	End	17769
Name	OJ990412_03.9922.C35.o1.tm	Method	TBLASTX:Maize
Start	12187	End	16064
GI	none	Score	76
Exons	12187..12261, 12190..12246, 12191..12262, 12268..12312, 12273..12299, 12311..12373, 12317..12409, 12658..12744, 12660..12746, 12676..12744, 12782..12847, 12801..12848, 12925..13020, 12941..13018, 12942..13019, 12943..13020, 13654..13746, 13655..13747, 13834..13938, 13835..13939, 13836..13922, 13836..13940, 13837..13938, 14541..14618, 14541..14612, 15090..15176, 15091..15174, 15093..15176, 15316..15387, 15319..15393, 15793..15861, 15794..15862, 15795..15863, 15799..15870, 15995..16057, 15999..16064		

Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9717	Strand	-
Start	11043	End	17769
Name	OJ990412_03.9922.C35.o2.gs	Method	GENSCAN
Start	12195	End	15920
GI	none	Score	.64
Exons	12195..12371, 12464..12523, 12660..12740, 12943..13017, 13657..13746, 13836..13950, 14541..14611, 15319..15387, 15795..15920		

Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9717	Strand	-
Start	11043	End	17769
Name	OJ990412_03.9922.C35.o3.np	Method	AAT/NAP
Start	12228	End	15192
GI	2947068	Score	160
Exons	12228..12341, 12660..12773, 12943..13017, 13657..13746, 13836..13937, 14541..14607, 15094..15192		
GI Descrip.	(AC002521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4680	Seq. ID	OJ990412_03.9922.C35
Gene No.	9717	Strand	-
Start	11043	End	17769
Name	OJ990412_03.9922.C35.o3.gp	Method	AAT/GAP
Start	12502	End	16156
GI	18310_1.R1084	Score	1425
Exons	12502..12523, 12660..12740, 12815..12847, 12943..13017, 13657..13746, 13836..13937, 14541..14611, 15092..15173, 15319..15387, 15795..15856, 16000..16156		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+

Start	600	End	4658
Name	OJ990412_03.9922.C36.o2.tm	Method	TBLASTX:Maize
Start	514	End	875
GI	none	Score	209
Exons	514..543, 668..874, 669..875		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o1.gs	Method	GENSCAN
Start	600	End	4641
GI	none	Score	.66
Exons	600..1166, 1685..1824, 2477..2831, 3409..3657, 3997..4122, 4476..4641		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o2.ts	Method	TBLASTX:Soybean
Start	687	End	1819
GI	none	Score	192
Exons	687..1013, 1667..1819, 1682..1819		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o1.tc	Method	TBLASTX:Cress
Start	1672	End	2693
GI	none	Score	175
Exons	1672..1830, 1673..1831, 2469..2693, 2501..2692		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o1.gp	Method	AAT/GAP
Start	1710	End	2859
GI	none	Score	836
Exons	1710..1824, 2477..2859		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o1.ts	Method	TBLASTX:Soybean
Start	2760	End	4658
GI	none	Score	78
Exons	2760..2828, 3420..3662, 3427..3660, 3578..3661, 3598..3663, 4033..4122, 4473..4658, 4511..4633		

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o2.gp	Method	AAT/GAP
Start	2939	End	3042
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	2939..3042		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	4681	Seq. ID	OJ990412_03.9922.C36
Gene No.	9718	Strand	+
Start	600	End	4658
Name	OJ990412_03.9922.C36.o1.tm	Method	TBLASTX:Maize
Start	4472	End	4637
GI	none	Score	202
Exons	4472..4636, 4472..4636, 4473..4637, 4473..4637		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o1.gp	Method	AAT/GAP
Start	247	End	696
GI	2800165	Score	747
Exons	247..696		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o1.gs	Method	GENSCAN
Start	291	End	3102
GI	none	Score	.86
Exons	291..710, 1715..1810, 1881..1994, 2633..2701, 2838..2912, 3013..3102		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o1.np	Method	AAT/NAP
Start	297	End	10783
GI	6721520	Score	1538
Exons	297..404, 438..511, 7131..7360, 7428..7593, 8121..8655, 8814..8917, 9042..9284, 9879..10783		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o2.gp	Method	AAT/GAP
Start	1757	End	3318
GI	12582_1.R1084	Score	1052
Exons	1757..1810, 1881..1994, 2633..2701, 2838..2912, 3013..3318		
GI Descrip.	'1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o3.gp	Method	AAT/GAP
Start	5576	End	7242
GI	5607469	Score	676
Exons	5576..5862, 7162..7242		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o3.gs	Method	GENSCAN
Start	5651	End	10761
GI	none	Score	.97
Exons	5651..5862, 7162..7593, 8121..8655, 8814..8917, 9039..9284, 9879..10761		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9719	Strand	+
Start	247	End	10783
Name	OJ990412_03.9922.C37.o4.gp	Method	AAT/GAP
Start	9155	End	10137
GI	5607470	Score	758
Exons	9155..9284, 9879..10137		
GI Descrip.	1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9720	Strand	-
Start	3937	End	4356
Name	OJ990412_03.9922.C37.o2.ts	Method	TBLASTX:Soybean
Start	474	End	1330
GI	none	Score	247
Exons	474..710, 530..730, 1280..1330, 1281..1328		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9720	Strand	-
Start	3937	End	4356
Name	OJ990412_03.9922.C37.o5.tm	Method	TBLASTX:Maize
Start	543	End	730
GI	none	Score	201
Exons	543..671, 549..710, 551..730		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9720	Strand	-
Start	3937	End	4356
Name	OJ990412_03.9922.C37.o3.tm	Method	TBLASTX:Maize
Start	1550	End	2009
GI	none	Score	63
Exons	1550..1591, 1550..1600, 1701..1811, 1703..1816, 1714..1809, 1878..1946, 1880..1951, 1880..1945, 1950..2009, 1956..2009		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9720	Strand	-
Start	3937	End	4356
Name	OJ990412_03.9922.C37.o2.gs	Method	GENSCAN
Start	3937	End	4356
GI	none	Score	.55
Exons	3937..4356		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o1.ts	Method	TBLASTX:Soybean
Start	7175	End	10779

GI	none	Score	173
Exons	7175..7366, 7198..7365, 7453..7590, 7454..7609, 8119..8145, 8200..8352, 8202..8267, 8352..8537, 8353..8538, 8508..8639, 8509..8640, 8814..8918, 9001..9288, 9919..10050, 9924..10049, 10068..10280, 10069..10107, 10165..10425, 10450..10512, 10458..10493, 10528..10680, 10599..10679, 10706..10777, 10711..10779		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o4.tm	Method	TBLASTX:Maize
Start	7178	End	7601
GI	none	Score	74
Exons	7178..7372, 7453..7590, 7454..7594, 7542..7601		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o1.tc	Method	TBLASTX:Cress
Start	7196	End	10777
GI	none	Score	75
Exons	7196..7333, 7264..7332, 7453..7593, 7454..7594, 8119..8163, 8181..8264, 8194..8430, 8452..8670, 8463..8633, 9043..9216, 9924..10037, 9925..10035, 10057..10107, 10165..10224, 10243..10398, 10718..10777		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	8167	End	8645
GI	none	Score	540
Exons	8167..8643, 8175..8270, 8316..8645		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o2.tw	Method	TBLASTX:Wheat
Start	8347	End	9096
GI	none	Score	47
Exons	8347..8463, 8349..8429, 8448..8633, 8449..8646, 9043..9096		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o6.tm	Method	TBLASTX:Maize
Start	9927	End	10245
GI	none	Score	152
Exons	9927..10034, 9928..10035, 10080..10166, 10080..10202, 10165..10245		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	10291	End	10659

GI	none	Score	134
Exons	10291..10401, 10303..10320, 10344..10391, 10450..10506, 10458..10502, 10510..10659, 10510..10659		

Seq. No.	4682	Seq. ID	OJ990412_03.9922.C37
Gene No.	9721	Strand	
Start	7175	End	10782
Name	OJ990412_03.9922.C37.o2.tm	Method	TBLASTX:Maize
Start	10291	End	10782
GI	none	Score	151
Exons	10291..10431, 10303..10320, 10441..10503, 10458..10502, 10510..10680, 10599..10685, 10702..10782, 10703..10777		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9722	Strand	+
Start	70	End	4253
Name	OJ990412_03.9922.C38.o1.gs	Method	GENSCAN
Start	70	End	4253
GI	none	Score	.55
Exons	70..144, 907..936, 1080..1190, 1211..1342, 4023..4253		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.np	Method	AAT/NAP
Start	4616	End	7681
GI	4966347	Score	841
Exons	4616..5817, 5979..6059, 6748..7034, 7131..7681		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o2.gs	Method	GENSCAN
Start	4646	End	7624
GI	none	Score	.93
Exons	4646..5814, 5925..6059, 6748..7624		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.gp	Method	AAT/GAP
Start	4758	End	5222
GI	LIB3432-015-P1-K1-G6	Score	870
Exons	4758..5222		
GI Descrip.	'4826399/emb|CAB42872.1| 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.tc	Method	TBLASTX:Cress
Start	4781	End	7585
GI	none	Score	97
Exons	4781..4891, 4982..5230, 4982..5314, 5091..5309, 5333..5632, 5343..5534, 5343..5645, 5663..5734, 6749..6811, 7514..7585		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	4787	End	5725
GI	none	Score	123
Exons	4787..4900, 4985..5242, 4985..5311, 5091..5306, 5327..5632, 5349..5537, 5663..5725		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.ts	Method	TBLASTX:Soybean
Start	4928	End	5731
GI	none	Score	96
Exons	4928..5314, 4997..5308, 5154..5309, 5315..5491, 5337..5501, 5480..5632, 5663..5731		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o2.tw	Method	TBLASTX:Wheat
Start	4991	End	5257
GI	none	Score	71
Exons	4991..5125, 4994..5131, 5138..5257		

Seq. No.	4683	Seq. ID	OJ990412_03.9922.C38
Gene No.	9723	Strand	-
Start	4646	End	7681
Name	OJ990412_03.9922.C38.o1.tw	Method	TBLASTX:Wheat
Start	5259	End	5676
GI	none	Score	39
Exons	5259..5309, 5321..5647, 5326..5484, 5349..5522, 5506..5676		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39
Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.gp	Method	AAT/GAP
Start	1	End	1527
GI	uC-osf1M202053d07b1	Score	646
Exons	1..92, 825..876, 983..1042, 1122..1146, 1249..1334, 1426..1527		
GI Descrip.	'4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]'		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39
Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.np	Method	AAT/NAP
Start	1	End	2128
GI	4585981	Score	329
Exons	1..92, 825..1054, 1126..1332, 1426..1584, 1610..1707, 1853..1972, 2025..2128		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39

Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.gs	Method	GENSCAN
Start	111	End	227
GI	none	Score	.84
Exons	111..227		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39
Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.tc	Method	TBLASTX:Cress
Start	829	End	1693
GI	none	Score	35
Exons	829..876, 981..1040, 1123..1146, 1249..1335, 1251..1337, 1426..1539, 1427..1537, 1594..1677, 1607..1687, 1613..1693		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39
Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.tm	Method	TBLASTX:Maize
Start	1089	End	1797
GI	none	Score	74
Exons	1089..1145, 1090..1146, 1099..1149, 1244..1333, 1248..1334, 1249..1335, 1427..1537, 1427..1537, 1432..1548, 1432..1539, 1609..1680, 1613..1693, 1615..1680, 1777..1797		

Seq. No.	4684	Seq. ID	OJ990412_03.9922.C39
Gene No.	9724	Strand	+
Start	1	End	2128
Name	OJ990412_03.9922.C39.o1.ts	Method	TBLASTX:Soybean
Start	1249	End	1974
GI	none	Score	134
Exons	1249..1335, 1251..1334, 1427..1537, 1432..1539, 1609..1677, 1613..1693, 1615..1677, 1864..1974, 1875..1973		

Seq. No.	4685	Seq. ID	OJ990412_03.9922.C40
Gene No.	9725	Strand	+
Start	1	End	3971
Name	OJ990412_03.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	3815
GI	4585981	Score	520
Exons	1..237, 383..502, 673..775, 1644..1708, 1815..1919, 1988..2044, 2339..2436, 2520..2638, 2761..2821, 3375..3500, 3785..3815		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	4685	Seq. ID	OJ990412_03.9922.C40
Gene No.	9725	Strand	+
Start	1	End	3971
Name	OJ990412_03.9922.C40.o1.gs	Method	GENSCAN
Start	128	End	3971
GI	none	Score	.68
Exons	128..208, 1822..1919, 2339..2436, 2520..2629, 2761..2915, 3731..3828, 3952..3971		

Seq. No.	4685	Seq. ID	OJ990412_03.9922.C40
Gene No.	9726	Strand	-

Start	4845	End	5235
Name	OJ990412_03.9922.C40.o1.ts	Method	TBLASTX:Soybean
Start	139	End	2414
GI	none	Score	79
Exons	139..207, 143..223, 145..207, 394..504, 405..503, 665..697, 1509..1568, 1516..1566, 1644..1709, 1645..1707, 1821..1919, 1822..1920, 2001..2066, 2004..2066, 2337..2414		

Seq. No.	4685	Seq. ID	OJ990412_03.9922.C40
Gene No.	9726	Strand	-
Start	4845	End	5235
Name	OJ990412_03.9922.C40.o1.tm	Method	TBLASTX:Maize
Start	1515	End	3809
GI	none	Score	76
Exons	1515..1568, 1516..1566, 1644..1709, 1645..1707, 1810..1920, 1989..2066, 1989..2066, 2336..2437, 2337..2441, 2518..2631, 2519..2632, 2519..2632, 2755..2847, 2760..2819, 3702..3809		

Seq. No.	4685	Seq. ID	OJ990412_03.9922.C40
Gene No.	9726	Strand	-
Start	4845	End	5235
Name	OJ990412_03.9922.C40.o2.gs	Method	GENSCAN
Start	4845	End	5235
GI	none	Score	.66
Exons	4845..5033, 5047..5235		

Seq. No.	4686	Seq. ID	OJ990412_03.9922.C41
Gene No.	9727	Strand	+
Start	852	End	961
Name	OJ990412_03.9922.C41.o1.tm	Method	TBLASTX:Maize
Start	738	End	961
GI	none	Score	49
Exons	738..806, 848..961, 849..959, 851..961		

Seq. No.	4686	Seq. ID	OJ990412_03.9922.C41
Gene No.	9727	Strand	+
Start	852	End	961
Name	OJ990412_03.9922.C41.o1.tw	Method	TBLASTX:Wheat
Start	849	End	961
GI	none	Score	171
Exons	849..959, 849..959, 851..961		

Seq. No.	4686	Seq. ID	OJ990412_03.9922.C41
Gene No.	9727	Strand	+
Start	852	End	961
Name	OJ990412_03.9922.C41.o1.np	Method	AAT/NAP
Start	852	End	961
GI	417154	Score	151
Exons	852..961		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	4687	Seq. ID	OJ990412_03.9922.C43
Gene No.	9728	Strand	+
Start	601	End	718
Name	OJ990412_03.9922.C43.o2.gs	Method	GENSCAN

Start	601	End	718
GI	none	Score	.9
Exons	601..718		

Seq. No.	4687	Seq. ID	OJ990412_03.9922.C43
Gene No.	9729	Strand	-
Start	92	End	358
Name	OJ990412_03.9922.C43.o1.gp	Method	AAT/GAP
Start	92	End	358
GI	26292_1.R1084	Score	499
Exons	92..358		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	4687	Seq. ID	OJ990412_03.9922.C43
Gene No.	9729	Strand	-
Start	92	End	358
Name	OJ990412_03.9922.C43.o1.gs	Method	GENSCAN
Start	92	End	281
GI	none	Score	.88
Exons	92..281		

Seq. No.	4688	Seq. ID	OJ990412_03.9922.C45
Gene No.	9730	Strand	+
Start	126	End	191
Name	OJ990412_03.9922.C45.o1.gs	Method	GENSCAN
Start	126	End	191
GI	none	Score	.51
Exons	126..191		

Seq. No.	4688	Seq. ID	OJ990412_03.9922.C45
Gene No.	9731	Strand	-
Start	321	End	654
Name	OJ990412_03.9922.C45.o2.gs	Method	GENSCAN
Start	321	End	654
GI	none	Score	.46
Exons	321..359, 601..654		

Seq. No.	4689	Seq. ID	OJ990412_03.9922.C46
Gene No.	9732	Strand	+
Start	1	End	1001
Name	OJ990412_03.9922.C46.o1.np	Method	AAT/NAP
Start	1	End	899
GI	5882718	Score	132
Exons	1..83, 440..516, 626..727, 828..899		
GI Descrip.	(AC008263) ESTs gb|AA067482 and gb|AI100542 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4689	Seq. ID	OJ990412_03.9922.C46
Gene No.	9732	Strand	+
Start	1	End	1001
Name	OJ990412_03.9922.C46.o1.gp	Method	AAT/GAP
Start	435	End	1001
GI	12582_1.R1084	Score	534
Exons	435..516, 653..727, 828..1001		
GI Descrip.	'1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	4689	Seq. ID	OJ990412_03.9922.C46
Gene No.	9732	Strand	+
Start	1	End	1001
Name	OJ990412_03.9922.C46.o1.gs	Method	GENSCAN
Start	448	End	917
GI	none	Score	.85
Exons	448..516, 653..727, 828..917		

Seq. No.	4690	Seq. ID	OJ990412_03.9922.C50
Gene No.	9733	Strand	-
Start	495	End	635
Name	OJ990412_03.9922.C50.o1.gs	Method	GENSCAN
Start	495	End	635
GI	none	Score	.65
Exons	495..635		

Seq. No.	4690	Seq. ID	OJ990412_03.9922.C50
Gene No.	9734	Strand	-
Start	1011	End	1133
Name	OJ990412_03.9922.C50.o1.np	Method	AAT/NAP
Start	1011	End	1133
GI	6069647	Score	121
Exons	1011..1133		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa] gi|6907113|dbj|BAA90640.1| (AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4691	Seq. ID	OJ990712_06.9922.C1
Gene No.	9735	Strand	+
Start	87	End	139
Name	OJ990712_06.9922.C1.o1.gs	Method	GENSCAN
Start	87	End	139
GI	none	Score	.71
Exons	87..139		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9736	Strand	+
Start	1138	End	11378
Name	OJ990712_06.9922.C2.o1.gs	Method	GENSCAN
Start	1138	End	11378
GI	none	Score	.42
Exons	1138..1359, 1411..1607, 1982..2111, 2182..2387, 2792..3058, 3072..3177, 3266..3299, 5831..6238, 6355..6516, 7002..7823, 7901..8021, 8580..8738, 9147..9241, 9316..9468, 10006..10283, 10430..10620, 11234..11378		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9736	Strand	+
Start	1138	End	11378
Name	OJ990712_06.9922.C2.o1.np	Method	AAT/NAP
Start	4135	End	8022
GI	5803260	Score	940
Exons	4135..4164, 5875..6266, 6345..6436, 6862..8022		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2

Gene No.	9737	Strand	+
Start	14124	End	15404
Name	OJ990712_06.9922.C2.o2.gs	Method	GENSCAN
Start	14124	End	15404
GI	none	Score	.89
Exons	14124..14576, 15360..15404		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9738	Strand	+
Start	16959	End	18393
Name	OJ990712_06.9922.C2.o2.np	Method	AAT/NAP
Start	16959	End	18393
GI	6907088	Score	822
Exons	16959..17096, 17272..17509, 17994..18393		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	2833	End	14330
GI	none	Score	70
Exons	2833..2892, 5824..5928, 5977..6033, 6079..6123, 6207..6260, 7003..7134, 7004..7321, 7004..7228, 7177..7305, 7274..7318, 7348..7857, 7349..7855, 14235..14330		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	6917	End	7870
GI	none	Score	54
Exons	6917..6994, 7013..7315, 7015..7311, 7345..7854, 7346..7870		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	6938	End	7720
GI	none	Score	49
Exons	6938..6994, 7013..7144, 7030..7155, 7172..7324, 7174..7317, 7333..7641, 7349..7720		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	7027	End	7264
GI	none	Score	222
Exons	7027..7263, 7031..7264		

Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	7264	End	7642
GI	none	Score	214

Exons	7264..7305, 7265..7522, 7402..7515, 7528..7641, 7529..7642		
Seq. No.	4692	Seq. ID	OJ990712_06.9922.C2
Gene No.	9739	Strand	-
Start	16434	End	18455
Name	OJ990712_06.9922.C2.o3.gs	Method	GENSCAN
Start	16434	End	18455
GI	none	Score	.57
Exons	16434..16507, 16885..16932, 16973..17197, 17308..17387, 18367..18455		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	3568
GI	5803260	Score	857
Exons	1..27, 1527..1961, 2028..2124, 2688..3568		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	1558	End	3568
GI	none	Score	53
Exons	1558..1611, 1724..1873, 1898..1960, 2677..2811, 2843..3109, 2849..3568, 2881..3120, 3200..3442, 3223..3561		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.gs	Method	GENSCAN
Start	1571	End	3525
GI	none	Score	.8
Exons	1571..1961, 2588..2788, 2853..3525		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	2743	End	3568
GI	none	Score	54
Exons	2743..2811, 2833..3105, 2837..3139, 2849..3142, 3173..3568, 3223..3546		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	2764	End	3547
GI	none	Score	48
Exons	2764..2829, 2852..2968, 2899..2979, 2989..3111, 2990..3547, 3223..3546		
Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+

Start	1	End	3568
Name	OJ990712_06.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	2851	End	3139
GI	none	Score	221
Exons	2851..3087, 2855..3139		

Seq. No.	4693	Seq. ID	OJ990712_06.9922.C3
Gene No.	9740	Strand	+
Start	1	End	3568
Name	OJ990712_06.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	3089	End	3487
GI	none	Score	46
Exons	3089..3124, 3176..3349, 3229..3345, 3355..3480, 3356..3487		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9741	Strand	+
Start	318	End	2973
Name	OJ990712_06.9922.C5.o1.gs	Method	GENSCAN
Start	318	End	2973
GI	none	Score	.99
Exons	318..323, 2668..2973		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9742	Strand	+
Start	5063	End	15118
Name	OJ990712_06.9922.C5.o1.np	Method	AAT/NAP
Start	5063	End	8733
GI	6665543	Score	705
Exons	5063..5096, 7195..7312, 7413..7522, 7737..8733		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9742	Strand	+
Start	5063	End	15118
Name	OJ990712_06.9922.C5.o3.gs	Method	GENSCAN
Start	6244	End	15118
GI	none	Score	.57
Exons	6244..6669, 6878..7150, 7159..7312, 7413..7577, 7741..8466, 8498..8668, 10933..11117, 11375..11513, 14414..14595, 14656..14796, 14902..14929, 14941..15118		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9742	Strand	+
Start	5063	End	15118
Name	OJ990712_06.9922.C5.o2.np	Method	AAT/NAP
Start	9662	End	12784
GI	4996642	Score	669
Exons	9662..9696, 11003..11553, 12757..12784		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9743	Strand	-
Start	4106	End	4926
Name	OJ990712_06.9922.C5.o2.gs	Method	GENSCAN
Start	4106	End	4926
GI	none	Score	.9
Exons	4106..4289, 4636..4724, 4876..4926		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9744	Strand	
Start	7103	End	8733
Name	OJ990712_06.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	7103	End	8733
GI	none	Score	56
Exons	7103..7171, 7168..7317, 7737..7877, 7902..8207, 8063..8182, 8235..8504, 8235..8450, 8282..8503, 8506..8733		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9744	Strand	
Start	7103	End	8733
Name	OJ990712_06.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	7803	End	8733
GI	none	Score	74
Exons	7803..7895, 7875..8201, 7997..8182, 8232..8504, 8282..8503, 8506..8733, 8506..8733		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9744	Strand	
Start	7103	End	8733
Name	OJ990712_06.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	7824	End	8601
GI	none	Score	60
Exons	7824..7886, 7902..8030, 8058..8210, 8060..8182, 8235..8504, 8282..8503, 8506..8601		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9744	Strand	
Start	7103	End	8733
Name	OJ990712_06.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	7883	End	8276
GI	none	Score	286
Exons	7883..7948, 7917..8201, 7923..8177, 8003..8182, 8235..8276		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9744	Strand	
Start	7103	End	8733
Name	OJ990712_06.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	8277	End	8504
GI	none	Score	136
Exons	8277..8396, 8288..8392, 8414..8503, 8415..8504		

Seq. No.	4694	Seq. ID	OJ990712_06.9922.C5
Gene No.	9745	Strand	
Start	11101	End	11506
Name	OJ990712_06.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	11101	End	11506
GI	none	Score	35
Exons	11101..11124, 11111..11221, 11118..11222, 11121..11306, 11187..11324, 11223..11264, 11236..11268, 11316..11360, 11316..11438, 11324..11368, 11384..11410, 11404..11439, 11473..11505, 11477..11506		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9746	Strand	+

Start	1	End	5285
Name	OJ990712_06.9922.C6.o1.gp	Method	AAT/GAP
Start	1	End	546
GI	87053_1.R1084	Score	847
Exons	1..22, 83..546		
GI Descrip.	'4826399/emb|CAB42872.1| 3.0e-22 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9746	Strand	+
Start	1	End	5285
Name	OJ990712_06.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	3549626	Score	795
Exons	1..22, 86..1254		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9746	Strand	+
Start	1	End	5285
Name	OJ990712_06.9922.C6.o1.gs	Method	GENSCAN
Start	115	End	5285
GI	none	Score	.69
Exons	115..409, 572..1051, 2891..3543, 3874..3966, 4343..4915, 5265..5285		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9746	Strand	+
Start	1	End	5285
Name	OJ990712_06.9922.C6.o2.gp	Method	AAT/GAP
Start	787	End	1425
GI	3768316	Score	1135
Exons	787..1425		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o2.np	Method	AAT/NAP
Start	1	End	3424
GI	5734709	Score	135
Exons	1..75, 2610..2768, 2843..3137, 3165..3424		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	82	End	1101
GI	none	Score	69
Exons	82..219, 244..549, 345..524, 577..1101, 624..938		

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	145	End	1134

GI	none	Score	74
Exons	145..237, 147..194, 217..543, 624..935, 1023..1127	244..522, 339..524, 574..1134,	

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	166	End	948
GI	none	Score	60
Exons	166..228, 244..372, 400..552, 763..879	402..524, 577..948, 624..875,	

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	225	End	492
GI	none	Score	219
Exons	225..290, 259..492, 275..331,	360..491	

Seq. No.	4695	Seq. ID	OJ990712_06.9922.C6
Gene No.	9747	Strand	-
Start	1	End	3424
Name	OJ990712_06.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	492	End	870
GI	none	Score	219
Exons	492..524, 493..750, 630..767,	756..869, 757..870	

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9748	Strand	+
Start	1	End	2384
Name	OJ990712_06.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	2381
GI	4826399	Score	975
Exons	1..91, 269..777, 865..957, 1156..2381		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9748	Strand	+
Start	1	End	2384
Name	OJ990712_06.9922.C7.o1.gs	Method	GENSCAN
Start	486	End	2384
GI	none	Score	.58
Exons	486..1011, 1222..2384		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9749	Strand	+
Start	9796	End	10182
Name	OJ990712_06.9922.C7.o3.gs	Method	GENSCAN
Start	9796	End	10182
GI	none	Score	.89
Exons	9796..10182		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981

Name	OJ990712_06.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	286	End	9981
GI	none	Score	38
Exons	286..369, 384..434, 385..435, 597..686, 681..776, 1221..1361, 1364..1432, 1371..1673, 1371..1643, 1535..1654, 1706..2023, 1707..2234, 9916..9981		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981
Name	OJ990712_06.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	1284	End	2255
GI	none	Score	62
Exons	1284..1355, 1292..1333, 1371..1673, 1373..1429, 1383..1649, 1469..1654, 1703..2047, 1704..2255		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981
Name	OJ990712_06.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	1305	End	2078
GI	none	Score	48
Exons	1305..1355, 1335..1508, 1530..1673, 1703..2011, 1707..2078		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981
Name	OJ990712_06.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	1370	End	1674
GI	none	Score	317
Exons	1370..1417, 1389..1673, 1484..1663, 1600..1674		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981
Name	OJ990712_06.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	1695	End	2018
GI	none	Score	164
Exons	1695..1880, 1760..1873, 1886..2011, 1887..2018		

Seq. No.	4696	Seq. ID	OJ990712_06.9922.C7
Gene No.	9750	Strand	-
Start	2046	End	9981
Name	OJ990712_06.9922.C7.o1.gp	Method	AAT/GAP
Start	2046	End	2665
GI	none	Score	1101
Exons	2046..2665		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	3656
GI	5803260	Score	892
Exons	1..60, 1376..1733, 1821..1905, 2641..3656		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.gs	Method	GENSCAN
Start	138	End	3808
GI	none	Score	.66
Exons	138..195, 711..845, 1312..1402, 1558..1722, 2323..2388, 2634..3808		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	1650	End	3778
GI	none	Score	96
Exons	1650..1727, 2783..3100, 2791..2886, 2956..3075, 2985..3086, 3113..3655, 3121..3435, 3194..3445, 3665..3778		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	2696	End	3685
GI	none	Score	68
Exons	2696..2788, 2792..3094, 2794..3075, 3124..3516, 3125..3685, 3562..3672		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	2717	End	3499
GI	none	Score	48
Exons	2717..2773, 2792..2923, 2951..3103, 2953..3096, 3098..3499, 3121..3426		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	2791	End	3043
GI	none	Score	199
Exons	2791..2886, 2810..3043, 2953..3042		

Seq. No.	4697	Seq. ID	OJ990712_06.9922.C8
Gene No.	9751	Strand	+
Start	1	End	3808
Name	OJ990712_06.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	3043	End	3421
GI	none	Score	217
Exons	3043..3075, 3044..3301, 3118..3294, 3307..3420, 3308..3421		

Seq. No.	4698	Seq. ID	OJ990712_06.9922.C9
Gene No.	9752	Strand	-
Start	2213	End	6493
Name	OJ990712_06.9922.C9.o1.np	Method	AAT/NAP
Start	2213	End	6493

GI	5042454	Score	3813
Exons	2213..2266, 2536..2719, 3394..3993, 4627..6332, 6389..6493		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4698	Seq. ID	OJ990712_06.9922.C9
Gene No.	9752	Strand	-
Start	2213	End	6493
Name	OJ990712_06.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	4626	End	4769
GI	none	Score	126
Exons	4626..4769, 4630..4764		

Seq. No.	4698	Seq. ID	OJ990712_06.9922.C9
Gene No.	9752	Strand	-
Start	2213	End	6493
Name	OJ990712_06.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	5269	End	5821
GI	none	Score	95
Exons	5269..5526, 5303..5542, 5509..5607, 5510..5602, 5614..5661, 5786..5821		

Seq. No.	4698	Seq. ID	OJ990712_06.9922.C9
Gene No.	9752	Strand	-
Start	2213	End	6493
Name	OJ990712_06.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	5371	End	5656
GI	none	Score	94
Exons	5371..5619, 5372..5656		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9753	Strand	+
Start	1	End	969
Name	OJ990712_06.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	357
GI	5922623	Score	137
Exons	1..114, 282..357		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9753	Strand	+
Start	1	End	969
Name	OJ990712_06.9922.C10.o1.gs	Method	GENSCAN
Start	209	End	969
GI	none	Score	.4
Exons	209..263, 387..522, 747..969		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9754	Strand	+
Start	1319	End	9801
Name	OJ990712_06.9922.C10.o2.np	Method	AAT/NAP
Start	1319	End	9759
GI	4544449	Score	1027
Exons	1319..1380, 7169..7310, 7507..7698, 9166..9759		
GI Descrip.	(AC006592) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9754	Strand	+
Start	1319	End	9801
Name	OJ990712_06.9922.C10.o2.gp	Method	AAT/GAP
Start	6959	End	7616
GI	25074_1.R1084	Score	888
Exons	6959..7310, 7507..7616		
GI Descrip.	'4544449/gb|AAD22357.1|AC006592_14 2.0e-25 (AC006592) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9754	Strand	+
Start	1319	End	9801
Name	OJ990712_06.9922.C10.o2.gs	Method	GENSCAN
Start	7056	End	9801
GI	none	Score	.8
Exons	7056..7415, 7507..7698, 7862..7981, 8349..8513, 9166..9801		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9755	Strand	+
Start	10266	End	10521
Name	OJ990712_06.9922.C10.o4.gp	Method	AAT/GAP
Start	10266	End	10521
GI	none	Score	492
Exons	10266..10521		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9756	Strand	-
Start	1	End	80
Name	OJ990712_06.9922.C10.o1.gp	Method	AAT/GAP
Start	1	End	80
GI	uC-osflcyp172a09a1	Score	136
Exons	1..80		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9757	Strand	-
Start	9633	End	10013
Name	OJ990712_06.9922.C10.o3.gp	Method	AAT/GAP
Start	9633	End	10013
GI	none	Score	732
Exons	9633..10013		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9758	Strand	-
Start	10416	End	13023
Name	OJ990712_06.9922.C10.o3.gs	Method	GENSCAN
Start	10416	End	12953
GI	none	Score	.9
Exons	10416..10522, 11375..11581, 12288..12435, 12576..12745, 12833..12953		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9758	Strand	-
Start	10416	End	13023
Name	OJ990712_06.9922.C10.o3.np	Method	AAT/NAP

Start	10440	End	12944
GI	4512685	Score	280
Exons	10440..10563, 11375..11572, 12273..12435, 12576..12712, 12833..12944		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9758	Strand	-
Start	10416	End	13023
Name	OJ990712_06.9922.C10.o5.gp	Method	AAT/GAP
Start	12335	End	13023
GI	52928_1.R1084	Score	850
Exons	12335..12435, 12576..12745, 12833..13023		
GI Descrip.	'4512685/gb|AAD21739.1| 1.0e-08 (AC006931) hypothetical protein [Arabidopsis thaliana] >gi_4559325_gb_AAD22987.1_AC007087_6 (AC007087) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	7151	End	9429
GI	none	Score	174
Exons	7151..7309, 7161..7310, 7498..7698, 7506..7655, 9156..9266, 9156..9425, 9166..9429		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	7173	End	9354
GI	none	Score	95
Exons	7173..7307, 7498..7701, 7506..7586, 9168..9353, 9169..9354		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	7185	End	9720
GI	none	Score	112
Exons	7185..7307, 7199..7309, 7498..7701, 9147..9356, 9169..9477, 9462..9674, 9463..9675, 9694..9720		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	7615	End	9423
GI	none	Score	83
Exons	7615..7698, 9165..9353, 9166..9423		

Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	9354	End	9720
GI	none	Score	113

Exons	9354..9425, 9355..9426, 9468..9566, 9469..9585, 9586..9720, 9594..9716		
Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	11376	End	12429
GI	none	Score	84
Exons	11376..11540, 11467..11541, 12313..12429, 12323..12424		
Seq. No.	4699	Seq. ID	OJ990712_06.9922.C10
Gene No.	9759	Strand	-
Start	13740	End	13909
Name	OJ990712_06.9922.C10.o4.gs	Method	GENSCAN
Start	13740	End	13909
GI	none	Score	1
Exons	13740..13909		
Seq. No.	4700	Seq. ID	OJ990712_06.9922.C11
Gene No.	9760	Strand	-
Start	4275	End	4764
Name	OJ990712_06.9922.C11.o1.np	Method	AAT/NAP
Start	4275	End	4764
GI	6017117	Score	60
Exons	4275..4487, 4734..4764		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana] gi|6091765|gb|AAF03475.1|AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]		
Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9761	Strand	-
Start	1	End	3024
Name	OJ990712_06.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	3012
GI	4490756	Score	879
Exons	1..90, 274..411, 486..584, 1114..1353, 1435..1641, 2500..2640, 2668..3012		
GI Descrip.	(AL035708) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9761	Strand	-
Start	1	End	3024
Name	OJ990712_06.9922.C12.o1.gs	Method	GENSCAN
Start	274	End	3024
GI	none	Score	.77
Exons	274..417, 518..584, 1114..1353, 1435..1641, 2500..3024		
Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	510	End	1632
GI	none	Score	70
Exons	510..584, 1111..1221, 1273..1365, 1283..1360, 1424..1630, 1426..1632		

Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	1111	End	1356
GI	none	Score	74
Exons	1111..1245, 1279..1356, 1286..1354		

Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	2686	End	2988
GI	none	Score	231
Exons	2686..2988		

Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	2695	End	2997
GI	none	Score	106
Exons	2695..2907, 2893..2997		

Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	2746	End	2985
GI	none	Score	222
Exons	2746..2985		

Seq. No.	4701	Seq. ID	OJ990712_06.9922.C12
Gene No.	9762	Strand	-
Start	11316	End	15419
Name	OJ990712_06.9922.C12.o3.gs	Method	GENSCAN
Start	11316	End	15419
GI	none	Score	.46
Exons	11316..11380, 11521..11683, 13088..13155, 13263..13432, 14054..14113, 14392..14489, 15348..15419		

Seq. No.	4702	Seq. ID	OJ990712_06.9922.C13
Gene No.	9763	Strand	+
Start	430	End	1150
Name	OJ990712_06.9922.C13.o1.gs	Method	GENSCAN
Start	430	End	1150
GI	none	Score	.7
Exons	430..658, 975..1150		

Seq. No.	4702	Seq. ID	OJ990712_06.9922.C13
Gene No.	9764	Strand	-
Start	735	End	1152
Name	OJ990712_06.9922.C13.o1.gp	Method	AAT/GAP
Start	735	End	1152
GI	1062_1.R1084	Score	796
Exons	735..1152		
GI Descrip.	'4106673/emb|CAA22613| 7.0e-35 (AL035064) queuine		

trna-ribosyltransferase [Schizosaccharomyces pombe]'

Seq. No.	4702	Seq. ID	OJ990712_06.9922.C13
Gene No.	9764	Strand	-
Start	735	End	1152
Name	OJ990712_06.9922.C13.o1.np	Method	AAT/NAP
Start	1029	End	1152
GI	5006853	Score	229
Exons	1029..1152		
GI Descrip.	(AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	1310
GI	4680179	Score	1126
Exons	1..968, 1000..1310		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	2	End	406
GI	none	Score	64
Exons	2..85, 3..86, 52..285, 82..297, 95..406, 352..402		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o1.gs	Method	GENSCAN
Start	13	End	1242
GI	none	Score	.64
Exons	13..659, 888..1159, 1175..1242		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	101	End	391
GI	none	Score	184
Exons	101..391, 103..390		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o2.tw	Method	TBLASTX:Wheat
Start	517	End	939
GI	none	Score	64
Exons	517..684, 572..685, 730..939, 797..883		

Seq. No.	4703	Seq. ID	OJ990712_02.9924.C1
Gene No.	9765	Strand	-
Start	1	End	1310
Name	OJ990712_02.9924.C1.o2.tm	Method	TBLASTX:Maize
Start	622	End	945

GI	none	Score	176
Exons	622..945		

Seq. No.	4704	Seq. ID	OJ990712_02.9924.C2
Gene No.	9766	Strand	-
Start	1	End	787
Name	OJ990712_02.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	787
GI	5091513	Score	957
Exons	1..787		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4704	Seq. ID	OJ990712_02.9924.C2
Gene No.	9766	Strand	-
Start	1	End	787
Name	OJ990712_02.9924.C2.o1.gs	Method	GENSCAN
Start	75	End	718
GI	none	Score	1
Exons	75..718		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9767	Strand	+
Start	132	End	464
Name	OJ990712_02.9924.C3.o1.gs	Method	GENSCAN
Start	132	End	464
GI	none	Score	.88
Exons	132..464		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9768	Strand	+
Start	674	End	986
Name	OJ990712_02.9924.C3.o1.gp	Method	AAT/GAP
Start	674	End	986
GI	72524_1.R1084	Score	420
Exons	674..986		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9769	Strand	+
Start	6211	End	6660
Name	OJ990712_02.9924.C3.o2.gp	Method	AAT/GAP
Start	6211	End	6660
GI	72524_1.R1084	Score	420
Exons	6211..6535, 6639..6660		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9770	Strand	-
Start	34	End	8168
Name	OJ990712_02.9924.C3.o1.np	Method	AAT/NAP
Start	34	End	7280
GI	5091513	Score	1412
Exons	34..483, 2210..2467, 2564..2637, 3087..4159, 4902..5298, 6781..7280		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9770	Strand	-
Start	34	End	8168
Name	OJ990712_02.9924.C3.o3.gs	Method	GENSCAN
Start	2959	End	5878
GI	none	Score	.73
Exons	2959..3288, 3335..4133, 5001..5371, 5726..5878		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9770	Strand	-
Start	34	End	8168
Name	OJ990712_02.9924.C3.o4.gs	Method	GENSCAN
Start	6741	End	8168
GI	none	Score	.48
Exons	6741..7362, 7876..8168		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9770	Strand	-
Start	34	End	8168
Name	OJ990712_02.9924.C3.o2.np	Method	AAT/NAP
Start	6765	End	7268
GI	2809233	Score	333
Exons	6765..7268		
GI Descrip.	(AC002560) F21B7.2 [Arabidopsis thaliana]		

Seq. No.	4705	Seq. ID	OJ990712_02.9924.C3
Gene No.	9770	Strand	-
Start	34	End	8168
Name	OJ990712_02.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	6949	End	7232
GI	none	Score	45
Exons	6949..7044, 6954..7058, 7090..7230, 7107..7232		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9771	Strand	+
Start	2794	End	2885
Name	OJ990712_02.9924.C4.o1.gp	Method	AAT/GAP
Start	2794	End	2885
GI	uC-osflcyp088b12b1	Score	139
Exons	2794..2885		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o1.np	Method	AAT/NAP
Start	1167	End	6717
GI	4680183	Score	170
Exons	1167..1256, 1862..1932, 6680..6717		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o3.tm	Method	TBLASTX:Maize

Start	4094	End	4429
GI	none	Score	72
Exons	4094..4423, 4316..4429		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	4658	End	5077
GI	none	Score	73
Exons	4658..4774, 4692..4769, 4838..5077, 4851..4997		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	4715	End	4996
GI	none	Score	94
Exons	4715..4804, 4817..4993, 4838..4996		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	5327	End	5979
GI	none	Score	34
Exons	5327..5467, 5449..5463, 5557..5979, 5558..5641, 5617..5739		

Seq. No.	4706	Seq. ID	OJ990712_02.9924.C4
Gene No.	9772	Strand	-
Start	1167	End	6717
Name	OJ990712_02.9924.C4.o2.np	Method	AAT/NAP
Start	5611	End	6015
GI	2462640	Score	590
Exons	5611..6015		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	6573755	Score	90
Exons	1..239, 1370..1392		
GI Descrip.	(AC009243) F28K19.3 [Arabidopsis thaliana]		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o1.gs	Method	GENSCAN
Start	962	End	8678
GI	none	Score	.66
Exons	962..1146, 2011..2091, 2602..2708, 3111..5508, 5580..6209, 6437..7631, 7857..8678		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-

Start	1	End	8678
Name	OJ990712_02.9924.C5.o7.tm	Method	TBLASTX:Maize
Start	2342	End	2593
GI	none	Score	118
Exons	2342..2566, 2360..2593		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o3.ts	Method	TBLASTX:Soybean
Start	2363	End	2708
GI	none	Score	77
Exons	2363..2521, 2510..2701, 2513..2674, 2517..2708		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o8.tw	Method	TBLASTX:Wheat
Start	2370	End	2707
GI	none	Score	88
Exons	2370..2534, 2375..2554, 2393..2545, 2479..2559, 2558..2701, 2559..2696, 2564..2707, 2610..2702		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o2.np	Method	AAT/NAP
Start	3119	End	7631
GI	4680179	Score	5293
Exons	3119..6515, 6549..7631		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o6.tw	Method	TBLASTX:Wheat
Start	3164	End	3497
GI	none	Score	156
Exons	3164..3496, 3228..3497		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	3344	End	3943
GI	none	Score	241
Exons	3344..3784, 3360..3782, 3782..3943, 3789..3911		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	3497	End	4123
GI	none	Score	279
Exons	3497..4123, 3498..4067		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5

Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	3992	End	4283
GI	none	Score	206
Exons	3992..4282, 3996..4283		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	4082	End	4342
GI	none	Score	143
Exons	4082..4342, 4083..4337		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o3.tw	Method	TBLASTX:Wheat
Start	4130	End	4615
GI	none	Score	287
Exons	4130..4519, 4131..4514, 4172..4519, 4517..4615		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	4616	End	5119
GI	none	Score	252
Exons	4616..5119, 4694..5056, 4698..5087		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	4633	End	5048
GI	none	Score	182
Exons	4633..5046, 4685..5047, 4694..5047, 4698..5048		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o4.ts	Method	TBLASTX:Soybean
Start	4868	End	5113
GI	none	Score	96
Exons	4868..5113, 4869..5096		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	5084	End	5578
GI	none	Score	50
Exons	5084..5398, 5127..5177, 5214..5258, 5405..5578		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-

Start	1	End	8678
Name	OJ990712_02.9924.C5.o5.tw	Method	TBLASTX:Wheat
Start	5120	End	5422
GI	none	Score	254
Exons	5120..5422, 5136..5420		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	5135	End	5530
GI	none	Score	190
Exons	5135..5494, 5136..5426, 5457..5492, 5498..5530, 5499..5528		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o4.tw	Method	TBLASTX:Wheat
Start	5471	End	5956
GI	none	Score	80
Exons	5471..5635, 5514..5636, 5602..5838, 5632..5847, 5645..5956, 5902..5952		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	5651	End	5941
GI	none	Score	178
Exons	5651..5941, 5653..5940		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o10.tw	Method	TBLASTX:Wheat
Start	6052	End	6488
GI	none	Score	63
Exons	6052..6093, 6121..6183, 6122..6226, 6279..6488, 6280..6438		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o7.tw	Method	TBLASTX:Wheat
Start	6807	End	8635
GI	none	Score	112
Exons	6807..7157, 6964..7158, 8591..8635		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-
Start	1	End	8678
Name	OJ990712_02.9924.C5.o6.tm	Method	TBLASTX:Maize
Start	6852	End	7157
GI	none	Score	90
Exons	6852..7157, 7027..7143		

Seq. No.	4707	Seq. ID	OJ990712_02.9924.C5
Gene No.	9773	Strand	-

Start	1	End	8678
Name	OJ990712_02.9924.C5.o9.tw	Method	TBLASTX:Wheat
Start	7192	End	7391
GI	none	Score	116
Exons	7192..7389, 7194..7391		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9774	Strand	+
Start	1	End	8647
Name	OJ990712_02.9924.C6.o3.np	Method	AAT/NAP
Start	1	End	4348
GI	4680186	Score	359
Exons	1..21, 3254..3308, 4146..4348		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9774	Strand	+
Start	1	End	8647
Name	OJ990712_02.9924.C6.o5.np	Method	AAT/NAP
Start	502	End	8647
GI	5852175	Score	130
Exons	502..587, 7073..7121, 7694..7797, 8417..8462, 8603..8647		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9775	Strand	-
Start	1	End	3990
Name	OJ990712_02.9924.C6.o1.np	Method	AAT/NAP
Start	1	End	1962
GI	4680179	Score	1563
Exons	1..849, 883..1962		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9775	Strand	-
Start	1	End	3990
Name	OJ990712_02.9924.C6.o1.gs	Method	GENSCAN
Start	36	End	3990
GI	none	Score	.71
Exons	36..129, 179..1965, 2190..3011, 3946..3990		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9776	Strand	-
Start	3898	End	4281
Name	OJ990712_02.9924.C6.o1.gp	Method	AAT/GAP
Start	3898	End	4281
GI	uC-osflcyp033a04b1	Score	659
Exons	3898..4281		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9777	Strand	-
Start	4722	End	8111
Name	OJ990712_02.9924.C6.o4.np	Method	AAT/NAP
Start	4722	End	7688
GI	5852179	Score	287

Exons	4722..4777, 6223..6403, 6478..6677, 7668..7688		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9777	Strand	-
Start	4722	End	8111
Name	OJ990712_02.9924.C6.o3.gs	Method	GENSCAN
Start	7094	End	8111
GI	none	Score	.6
Exons	7094..7134, 7668..7792, 8023..8111		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	400	End	822
GI	none	Score	68
Exons	400..567, 455..568, 613..822, 614..766		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	505	End	858
GI	none	Score	189
Exons	505..858		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	1141	End	1505
GI	none	Score	102
Exons	1141..1491, 1298..1492, 1323..1505		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	1186	End	1491
GI	none	Score	80
Exons	1186..1491, 1361..1477		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	1526	End	1752
GI	none	Score	117
Exons	1526..1723, 1528..1725, 1732..1752		
Seq. No.	4708	Seq. ID	OJ990712_02.9924.C6
Gene No.	9778	Strand	-
Start	8309	End	8585
Name	OJ990712_02.9924.C6.o4.gp	Method	AAT/GAP
Start	8309	End	8585
GI	61605_1.R1084	Score	457

Exons	8309..8585		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4709	Seq. ID	OJ990712_02.9924.C7
Gene No.	9779	Strand	+
Start	1	End	1253
Name	OJ990712_02.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	256
GI	4680185	Score	270
Exons	1..256		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4709	Seq. ID	OJ990712_02.9924.C7
Gene No.	9779	Strand	+
Start	1	End	1253
Name	OJ990712_02.9924.C7.o1.gs	Method	GENSCAN
Start	81	End	1253
GI	none	Score	.49
Exons	81..216, 1189..1253		

Seq. No.	4710	Seq. ID	OJ990712_02.9924.C8
Gene No.	9780	Strand	-
Start	42	End	943
Name	OJ990712_02.9924.C8.o1.np	Method	AAT/NAP
Start	42	End	943
GI	6705984	Score	1210
Exons	42..943		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	4710	Seq. ID	OJ990712_02.9924.C8
Gene No.	9780	Strand	-
Start	42	End	943
Name	OJ990712_02.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	190	End	464
GI	none	Score	242
Exons	190..462, 192..464		

Seq. No.	4710	Seq. ID	OJ990712_02.9924.C8
Gene No.	9780	Strand	-
Start	42	End	943
Name	OJ990712_02.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	231	End	629
GI	none	Score	390
Exons	231..629, 241..627		

Seq. No.	4710	Seq. ID	OJ990712_02.9924.C8
Gene No.	9780	Strand	-
Start	42	End	943
Name	OJ990712_02.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	468	End	941
GI	none	Score	47
Exons	468..872, 469..564, 610..753, 885..941		

Seq. No.	4710	Seq. ID	OJ990712_02.9924.C8
Gene No.	9780	Strand	-
Start	42	End	943

Name	OJ990712_02.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	660	End	939
GI	none	Score	217
Exons	660..935, 670..939, 670..936		

Seq. No.	4711	Seq. ID	OJ990712_02.9924.C9
Gene No.	9781	Strand	+
Start	108	End	650
Name	OJ990712_02.9924.C9.o1.gs	Method	GENSCAN
Start	108	End	650
GI	none	Score	.96
Exons	108..650		

Seq. No.	4712	Seq. ID	OJ990712_02.9924.C10
Gene No.	9782	Strand	-
Start	239	End	1174
Name	OJ990712_02.9924.C10.o1.gs	Method	GENSCAN
Start	239	End	1174
GI	none	Score	.43
Exons	239..1174		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9783	Strand	+
Start	2058	End	12542
Name	OJ990712_02.9924.C11.o2.np	Method	AAT/NAP
Start	2058	End	12397
GI	5852180	Score	785
Exons	2058..2082, 5649..5705, 6697..6815, 6867..7314, 12339..12397		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9783	Strand	+
Start	2058	End	12542
Name	OJ990712_02.9924.C11.o3.np	Method	AAT/NAP
Start	8256	End	12542
GI	6691191	Score	669
Exons	8256..8285, 9496..9570, 11852..12542		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9783	Strand	+
Start	2058	End	12542
Name	OJ990712_02.9924.C11.o2.gs	Method	GENSCAN
Start	10529	End	12171
GI	none	Score	.61
Exons	10529..10640, 10882..11008, 11079..11258, 11466..11668, 11753..11857, 11930..12171		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9784	Strand	-
Start	1	End	3614
Name	OJ990712_02.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	3614
GI	4680179	Score	4005
Exons	1..2497, 2531..3614		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9785	Strand	-
Start	3939	End	4393
Name	OJ990712_02.9924.C11.o1.gp	Method	AAT/GAP
Start	3939	End	4393
GI	95437_1.R1084	Score	726
Exons	3939..4393		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o3.tm	Method	TBLASTX:Maize
Start	39	End	298
GI	none	Score	240
Exons	39..293, 39..188, 41..295, 56..298		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o3.ts	Method	TBLASTX:Soybean
Start	59	End	319
GI	none	Score	156
Exons	59..319, 60..314		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	107	End	3397
GI	none	Score	235
Exons	107..685, 108..365, 113..571, 438..674, 3314..3397		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	665	End	1028
GI	none	Score	161
Exons	665..1027, 674..1027, 678..1028		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	686	End	1099
GI	none	Score	350
Exons	686..1099, 687..1067		

Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o4.ts	Method	TBLASTX:Soybean
Start	848	End	1093
GI	none	Score	66

Exons	848..1093, 948..1076		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	1064	End	1564
GI	none	Score	50
Exons	1064..1378, 1107..1157, 1185..1313, 1385..1564, 1410..1556		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o4.tw	Method	TBLASTX:Wheat
Start	1100	End	1402
GI	none	Score	309
Exons	1100..1402, 1116..1400		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	1115	End	1510
GI	none	Score	233
Exons	1115..1474, 1116..1406, 1434..1472, 1478..1510, 1479..1508		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	1451	End	12537
GI	none	Score	216
Exons	1451..1828, 1494..1829, 1883..1933, 12337..12537		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o2.ts	Method	TBLASTX:Soybean
Start	1622	End	12471
GI	none	Score	405
Exons	1622..1756, 12046..12471, 12072..12320, 12142..12459, 12372..12467		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o4.tm	Method	TBLASTX:Maize
Start	1632	End	12456
GI	none	Score	143
Exons	1632..1823, 1634..1825, 1634..1921, 12307..12456		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o5.tw	Method	TBLASTX:Wheat
Start	2048	End	2470
GI	none	Score	68

Exons	2048..2215, 2103..2216, 2261..2470, 2262..2414		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o5.tm	Method	TBLASTX:Maize
Start	2151	End	2506
GI	none	Score	46
Exons	2151..2243, 2153..2506, 2337..2414		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o7.tw	Method	TBLASTX:Wheat
Start	2789	End	3141
GI	none	Score	64
Exons	2789..3007, 3007..3141, 3008..3115		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o2.gp	Method	AAT/GAP
Start	5556	End	5941
GI	uC-osflcyp033a04b1	Score	669
Exons	5556..5941		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	4713	Seq. ID	OJ990712_02.9924.C11
Gene No.	9786	Strand	-
Start	5556	End	12537
Name	OJ990712_02.9924.C11.o6.tw	Method	TBLASTX:Wheat
Start	12046	End	12336
GI	none	Score	249
Exons	12046..12336, 12063..12332		
Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9787	Strand	+
Start	1	End	8576
Name	OJ990712_02.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	3612
GI	6691191	Score	1882
Exons	1..870, 2299..3612		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9787	Strand	+
Start	1	End	8576
Name	OJ990712_02.9924.C12.o1.gs	Method	GENSCAN
Start	82	End	875
GI	none	Score	.81
Exons	82..430, 454..875		
Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9787	Strand	+
Start	1	End	8576
Name	OJ990712_02.9924.C12.o2.gs	Method	GENSCAN

Start	2596	End	3507
GI	none	Score	.81
Exons	2596..3098, 3405..3507		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9787	Strand	+
Start	1	End	8576
Name	OJ990712_02.9924.C12.o2.np	Method	AAT/NAP
Start	3160	End	8360
GI	5852180	Score	614
Exons	3160..3180, 6737..6795, 7778..7895, 7947..8360		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9787	Strand	+
Start	1	End	8576
Name	OJ990712_02.9924.C12.o4.gs	Method	GENSCAN
Start	8013	End	8576
GI	none	Score	.97
Exons	8013..8576		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9788	Strand	-
Start	6644	End	7025
Name	OJ990712_02.9924.C12.o1.gp	Method	AAT/GAP
Start	6644	End	7025
GI	uC-osf1cyp033a04b1	Score	699
Exons	6644..7025		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	37	End	581
GI	none	Score	265
Exons	37..432, 438..581		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o6.tw	Method	TBLASTX:Wheat
Start	40	End	207
GI	none	Score	203
Exons	40..207, 42..206, 43..207		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o3.ts	Method	TBLASTX:Soybean
Start	160	End	443
GI	none	Score	71
Exons	160..252, 226..432, 226..420, 237..443		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-

Start	9068	End	9328
Name	OJ990712_02.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	208	End	605
GI	none	Score	297
Exons	208..432, 223..432, 234..434, 435..605, 511..573		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o5.tw	Method	TBLASTX:Wheat
Start	618	End	869
GI	none	Score	196
Exons	618..818, 620..751, 621..788, 810..869		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o4.ts	Method	TBLASTX:Soybean
Start	624	End	818
GI	none	Score	201
Exons	624..758, 624..740, 638..745, 768..818		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	2377	End	2679
GI	none	Score	257
Exons	2377..2679		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o3.tw	Method	TBLASTX:Wheat
Start	2401	End	2718
GI	none	Score	289
Exons	2401..2718, 2403..2717		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	2700	End	3024
GI	none	Score	73
Exons	2700..2741, 2701..2742, 2739..3023, 2740..3024		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o4.tw	Method	TBLASTX:Wheat
Start	2718	End	3012
GI	none	Score	251
Exons	2718..2936, 2719..3012		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328

Name	OJ990712_02.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	3025	End	3504
GI	none	Score	350
Exons	3025..3414, 3027..3413, 3424..3504		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o2.tw	Method	TBLASTX:Wheat
Start	3031	End	3417
GI	none	Score	365
Exons	3031..3390, 3037..3417, 3093..3416		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o5.gs	Method	GENSCAN
Start	9068	End	9229
GI	none	Score	.93
Exons	9068..9229		

Seq. No.	4714	Seq. ID	OJ990712_02.9924.C12
Gene No.	9789	Strand	-
Start	9068	End	9328
Name	OJ990712_02.9924.C12.o3.np	Method	AAT/NAP
Start	9071	End	9328
GI	4680179	Score	382
Exons	9071..9328		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9790	Strand	+
Start	1649	End	7171
Name	OJ990712_02.9924.C13.o1.gs	Method	GENSCAN
Start	1649	End	7171
GI	none	Score	.47
Exons	1649..1786, 2028..2173, 2680..2806, 2855..3031, 3243..3406, 3488..3895, 3964..4039, 4131..4180, 4420..5115, 5212..5811, 5848..5901, 5950..6089, 6943..7171		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9791	Strand	+
Start	12572	End	14569
Name	OJ990712_02.9924.C13.o4.gs	Method	GENSCAN
Start	12572	End	14569
GI	none	Score	.72
Exons	12572..12637, 12999..13049, 13173..13319, 13853..14569		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9792	Strand	+
Start	14645	End	21135
Name	OJ990712_02.9924.C13.o2.np	Method	AAT/NAP
Start	14645	End	17630
GI	6691191	Score	2788
Exons	14645..17630		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9792	Strand	+
Start	14645	End	21135
Name	OJ990712_02.9924.C13.o5.gs	Method	GENSCAN
Start	15128	End	21135
GI	none	Score	.42
Exons	15128..16539, 16592..16751, 17019..17532, 17973..18215, 18217..18787, 19098..19199, 20277..20529, 20583..20673, 21038..21135		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9792	Strand	+
Start	14645	End	21135
Name	OJ990712_02.9924.C13.o3.np	Method	AAT/NAP
Start	20226	End	21132
GI	5852178	Score	466
Exons	20226..20529, 20561..20664, 21028..21132		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9793	Strand	+
Start	21267	End	21701
Name	OJ990712_02.9924.C13.o1.gp	Method	AAT/GAP
Start	21267	End	21701
GI	2428185	Score	690
Exons	21267..21701		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o1.np	Method	AAT/NAP
Start	5789	End	8927
GI	4378066	Score	915
Exons	5789..5822, 7587..8927		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o2.gs	Method	GENSCAN
Start	7435	End	7957
GI	none	Score	.68
Exons	7435..7672, 7719..7957		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o9.tw	Method	TBLASTX:Wheat
Start	7853	End	8260
GI	none	Score	119
Exons	7853..8260, 7854..8237		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13

Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o3.gs	Method	GENSCAN
Start	8231	End	12054
GI	none	Score	.48
Exons	8231..8733, 8751..9621, 9695..9795, 9946..10199, 10222..10308, 10341..10513, 10739..11131, 11383..11646, 11719..12054		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o5.tw	Method	TBLASTX:Wheat
Start	8282	End	16615
GI	none	Score	182
Exons	8282..8386, 16145..16345, 16147..16329, 16337..16432, 16412..16615		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o6.tw	Method	TBLASTX:Wheat
Start	8423	End	8799
GI	none	Score	66
Exons	8423..8548, 8543..8713, 8728..8799		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	8926	End	15320
GI	none	Score	392
Exons	8926..9120, 14894..15319, 14920..15159, 15191..15319, 15192..15320		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o2.tw	Method	TBLASTX:Wheat
Start	8944	End	15298
GI	none	Score	399
Exons	8944..9111, 14894..15298, 14911..15189		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o10.tw	Method	TBLASTX:Wheat
Start	9364	End	9689
GI	none	Score	84
Exons	9364..9585, 9365..9586, 9642..9689		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o8.tw	Method	TBLASTX:Wheat
Start	10631	End	13721
GI	none	Score	199
Exons	10631..10747, 13368..13721		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	15182	End	15544
GI	none	Score	233
Exons	15182..15544		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	15395	End	15827
GI	none	Score	532
Exons	15395..15826, 15397..15816, 15486..15827		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	15566	End	16108
GI	none	Score	262
Exons	15566..15973, 15715..15972, 15965..16108		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o3.ts	Method	TBLASTX:Soybean
Start	15686	End	16041
GI	none	Score	71
Exons	15686..15751, 15751..16041, 15752..16039		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o4.tw	Method	TBLASTX:Wheat
Start	15830	End	16132
GI	none	Score	373
Exons	15830..16132, 15831..16100, 15832..16131		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o4.ts	Method	TBLASTX:Soybean
Start	16151	End	16345
GI	none	Score	195
Exons	16151..16291, 16165..16290, 16279..16329, 16280..16345		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9794	Strand	-
Start	5789	End	16711
Name	OJ990712_02.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	16328	End	16711
GI	none	Score	61
Exons	16328..16405, 16409..16711, 16454..16711		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9795	Strand	
Start	16704	End	17054
Name	OJ990712_02.9924.C13.o5.ts	Method	TBLASTX:Soybean
Start	16704	End	17048
GI	none	Score	62
Exons	16704..16832, 16706..16927, 16732..16917, 17004..17048		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9795	Strand	
Start	16704	End	17054
Name	OJ990712_02.9924.C13.o7.tw	Method	TBLASTX:Wheat
Start	16738	End	17054
GI	none	Score	160
Exons	16738..16917, 16745..16924, 16900..17022, 17007..17054		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9796	Strand	
Start	17051	End	17537
Name	OJ990712_02.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	17051	End	17537
GI	none	Score	366
Exons	17051..17401, 17052..17438, 17448..17537		

Seq. No.	4715	Seq. ID	OJ990712_02.9924.C13
Gene No.	9796	Strand	
Start	17051	End	17537
Name	OJ990712_02.9924.C13.o3.tw	Method	TBLASTX:Wheat
Start	17060	End	17441
GI	none	Score	380
Exons	17060..17401, 17061..17441, 17154..17414		

Seq. No.	4716	Seq. ID	OJ990712_02.9924.C14
Gene No.	9797	Strand	+
Start	323	End	1102
Name	OJ990712_02.9924.C14.o1.np	Method	AAT/NAP
Start	323	End	1102
GI	5091513	Score	791
Exons	323..1102		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4716	Seq. ID	OJ990712_02.9924.C14
Gene No.	9797	Strand	+
Start	323	End	1102
Name	OJ990712_02.9924.C14.o1.gs	Method	GENSCAN
Start	745	End	967
GI	none	Score	.97
Exons	745..967		

Seq. No.	4717	Seq. ID	OJ990712_02.9924.C15
Gene No.	9798	Strand	-
Start	1	End	647
Name	OJ990712_02.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	647
GI	4680179	Score	498
Exons	1..647		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	4680179	Score	1512
Exons	1..1095		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o1.gs	Method	GENSCAN
Start	20	End	1034
GI	none	Score	.76
Exons	20..623, 666..1034		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	147	End	650
GI	none	Score	362
Exons	147..650, 229..618		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	216	End	579
GI	none	Score	163
Exons	216..578, 225..578, 229..579		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	399	End	644
GI	none	Score	66
Exons	399..644, 499..627		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	585	End	932
GI	none	Score	132
Exons	585..932, 586..798		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o2.tw	Method	TBLASTX:Wheat
Start	653	End	953
GI	none	Score	176
Exons	653..799, 657..950, 657..953,	667..951	

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	666	End	1062
GI	none	Score	109
Exons	666..920, 666..1061, 667..957, 985..1062, 1000..1062		

Seq. No.	4718	Seq. ID	OJ990712_02.9924.C16
Gene No.	9799	Strand	-
Start	1	End	1095
Name	OJ990712_02.9924.C16.o3.tw	Method	TBLASTX:Wheat
Start	954	End	1095
GI	none	Score	67
Exons	954..1040, 957..1043, 964..1044, 1042..1095, 1043..1093		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9800	Strand	+
Start	4105	End	5625
Name	OJ990712_02.9924.C18.o2.np	Method	AAT/NAP
Start	4105	End	5625
GI	5852093	Score	48
Exons	4105..4176, 5493..5625		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9801	Strand	+
Start	6102	End	6414
Name	OJ990712_02.9924.C18.o1.gp	Method	AAT/GAP
Start	6102	End	6414
GI	72524_1.R1084	Score	410
Exons	6102..6414		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9802	Strand	-
Start	1	End	726
Name	OJ990712_02.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6705984	Score	640
Exons	1..717		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9802	Strand	-
Start	1	End	726
Name	OJ990712_02.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	2	End	291
GI	none	Score	71
Exons	2..79, 84..191, 86..199, 172..291, 209..274		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9802	Strand	-
Start	1	End	726
Name	OJ990712_02.9924.C18.o1.tm	Method	TBLASTX:Maize

Start	53	End	410
GI	none	Score	124
Exons	53..199, 54..200, 191..286, 199..288, 211..288, 348..410		

Seq. No.	4719	Seq. ID	OJ990712_02.9924.C18
Gene No.	9802	Strand	-
Start	1	End	726
Name	OJ990712_02.9924.C18.o1.gs	Method	GENSCAN
Start	349	End	726
GI	none	Score	.98
Exons	349..726		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.np	Method	AAT/NAP
Start	1	End	779
GI	4680179	Score	951
Exons	1..779		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o2.tw	Method	TBLASTX:Wheat
Start	3	End	162
GI	none	Score	105
Exons	3..155, 3..161, 7..162		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	30	End	322
GI	none	Score	206
Exons	30..320, 34..321, 161..322		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.gs	Method	GENSCAN
Start	78	End	551
GI	none	Score	.95
Exons	78..551		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.ts	Method	TBLASTX:Soybean
Start	120	End	380
GI	none	Score	146
Exons	120..380, 121..375		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.tc	Method	TBLASTX:Cress

Start	144	End	461
GI	none	Score	83
Exons	144..287, 145..285, 288..461		

Seq. No.	4720	Seq. ID	OJ990712_02.9924.C19
Gene No.	9803	Strand	-
Start	1	End	779
Name	OJ990712_02.9924.C19.o1.tw	Method	TBLASTX:Wheat
Start	168	End	703
GI	none	Score	277
Exons	168..557, 169..552, 174..557, 563..703		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.gs	Method	GENSCAN
Start	282	End	1697
GI	none	Score	.66
Exons	282..1530, 1612..1697		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.np	Method	AAT/NAP
Start	285	End	1746
GI	4680179	Score	2025
Exons	285..1746		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o3.tw	Method	TBLASTX:Wheat
Start	330	End	663
GI	none	Score	129
Exons	330..662, 351..659, 394..663		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	510	End	1109
GI	none	Score	117
Exons	510..950, 525..788, 526..945, 948..1109, 955..1101		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.tw	Method	TBLASTX:Wheat
Start	663	End	1289
GI	none	Score	59
Exons	663..1289, 666..788, 775..1233, 948..1283		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o2.tm	Method	TBLASTX:Maize

Start	1158	End	1450
GI	none	Score	208
Exons	1158..1448, 1162..1449, 1289..1450		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.ts	Method	TBLASTX:Soybean
Start	1248	End	1508
GI	none	Score	153
Exons	1248..1508, 1249..1503		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	1272	End	1589
GI	none	Score	85
Exons	1272..1415, 1273..1413, 1416..1589		

Seq. No.	4721	Seq. ID	OJ990712_02.9924.C20
Gene No.	9804	Strand	-
Start	282	End	1746
Name	OJ990712_02.9924.C20.o2.tw	Method	TBLASTX:Wheat
Start	1296	End	1620
GI	none	Score	237
Exons	1296..1610, 1297..1554, 1300..1620, 1302..1583		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9805	Strand	+
Start	130	End	4378
Name	OJ990712_05.9919.C1.o1.gs	Method	GENSCAN
Start	130	End	1402
GI	none	Score	.98
Exons	130..333, 409..544, 623..1402		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9805	Strand	+
Start	130	End	4378
Name	OJ990712_05.9919.C1.o1.np	Method	AAT/NAP
Start	620	End	1871
GI	322873	Score	255
Exons	620..1199, 1675..1871		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9805	Strand	+
Start	130	End	4378
Name	OJ990712_05.9919.C1.o2.gs	Method	GENSCAN
Start	1768	End	4378
GI	none	Score	.91
Exons	1768..1918, 2053..2270, 2362..2730, 2821..2949, 3055..3339, 3416..3508, 4205..4378		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9806	Strand	+

Start	19651	End	35892
Name	OJ990712_05.9919.C1.o5.np	Method	AAT/NAP
Start	19651	End	30098
GI	5852175	Score	227
Exons	19651..19795, 23655..23808, 24481..24772, 24896..24952, 30075..30098		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9806	Strand	+
Start	19651	End	35892
Name	OJ990712_05.9919.C1.o6.np	Method	AAT/NAP
Start	22453	End	24979
GI	6522935	Score	220
Exons	22453..22485, 23663..23851, 23916..24347, 24440..24979		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9806	Strand	+
Start	19651	End	35892
Name	OJ990712_05.9919.C1.o7.np	Method	AAT/NAP
Start	25621	End	35892
GI	5852180	Score	448
Exons	25621..25709, 29194..29249, 30233..30351, 30403..30849, 35845..35892		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9806	Strand	+
Start	19651	End	35892
Name	OJ990712_05.9919.C1.o6.gs	Method	GENSCAN
Start	29907	End	30866
GI	none	Score	.85
Exons	29907..30074, 30492..30866		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9807	Strand	+
Start	40412	End	44735
Name	OJ990712_05.9919.C1.o8.gs	Method	GENSCAN
Start	40412	End	44735
GI	none	Score	.56
Exons	40412..40542, 40674..40709, 40711..40874, 41861..41974, 42067..42158, 42203..42476, 43178..43238, 43429..43520, 44098..44226, 44629..44735		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9807	Strand	+
Start	40412	End	44735
Name	OJ990712_05.9919.C1.o5.gp	Method	AAT/GAP
Start	42750	End	42821
GI	1631463	Score	76
Exons	42750..42821		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1

Gene No.	9808	Strand	+
Start	47529	End	48504
Name	OJ990712_05.9919.C1.o9.gs	Method	GENSCAN
Start	47529	End	48504
GI	none	Score	.57
Exons	47529..47663, 47968..48094, 48383..48504		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9809	Strand	-
Start	5831	End	21243
Name	OJ990712_05.9919.C1.o3.gs	Method	GENSCAN
Start	5831	End	21243
GI	none	Score	.6
Exons	5831..6044, 6310..6454, 6570..6638, 7167..7422, 9495..9526, 10736..10820, 12918..13066, 13113..13298, 13406..13439, 14243..14441, 14838..14975, 16803..16908, 19497..19658, 20295..20326, 21188..21243		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9809	Strand	-
Start	5831	End	21243
Name	OJ990712_05.9919.C1.o2.np	Method	AAT/NAP
Start	6304	End	6464
GI	5852172	Score	86
Exons	6304..6464		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9809	Strand	-
Start	5831	End	21243
Name	OJ990712_05.9919.C1.o3.np	Method	AAT/NAP
Start	12184	End	13656
GI	133414	Score	348
Exons	12184..12517, 13568..13656		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66971|pir||RNZMB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - maize chloroplast gi|12480|emb|CAA35195| (X17318) RNA polymerase beta subunit (AA 1-1075) [Zea mays] gi|902212|emb|CAA60276| (X86563) RNA polymerase beta subunit [Zea mays]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9809	Strand	-
Start	5831	End	21243
Name	OJ990712_05.9919.C1.o4.np	Method	AAT/NAP
Start	18255	End	19665
GI	6721512	Score	54
Exons	18255..18281, 19566..19665		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9810	Strand	-
Start	21255	End	21416
Name	OJ990712_05.9919.C1.o2.gp	Method	AAT/GAP
Start	21255	End	21416
GI	533_1.R1084	Score	178
Exons	21255..21340, 21363..21416		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III		

PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9811	Strand	-
Start	26910	End	29479
Name	OJ990712_05.9919.C1.o5.gs	Method	GENSCAN
Start	26910	End	29375
GI	none	Score	.67
Exons	26910..27084, 27167..27841, 27868..27989, 28071..28392, 29311..29375		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9811	Strand	-
Start	26910	End	29479
Name	OJ990712_05.9919.C1.o3.gp	Method	AAT/GAP
Start	29098	End	29479
GI	uC-osflcyp033a04b1	Score	667
Exons	29098..29479		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9812	Strand	-
Start	31550	End	33139
Name	OJ990712_05.9919.C1.o8.np	Method	AAT/NAP
Start	31550	End	33139
GI	4680179	Score	2061
Exons	31550..33139		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9813	Strand	-
Start	33601	End	38385
Name	OJ990712_05.9919.C1.o4.gp	Method	AAT/GAP
Start	33601	End	34395
GI	5002953	Score	441
Exons	33601..33800, 34280..34395		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9813	Strand	-
Start	33601	End	38385
Name	OJ990712_05.9919.C1.o9.np	Method	AAT/NAP
Start	33732	End	38385
GI	4680203	Score	1963
Exons	33732..34673, 34950..35180, 35334..35426, 35469..37049, 38343..38385		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9814	Strand	-
Start	41310	End	41920
Name	OJ990712_05.9919.C1.o10.np	Method	AAT/NAP
Start	41310	End	41920

GI	6721559	Score	271
Exons	41310..41443, 41473..41920		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	823	End	35063
GI	none	Score	37
Exons	823..846, 875..1036, 33843..33935, 33936..34040, 33964..34041, 34065..34106, 34065..34103, 34110..34157, 34146..34337, 34162..34302, 34341..34502, 34345..34485, 34521..35063, 34573..35019		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o3.tm	Method	TBLASTX:Maize
Start	12207	End	12472
GI	none	Score	287
Exons	12207..12461, 12207..12461, 12217..12471, 12238..12462, 12347..12472		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o3.tc	Method	TBLASTX:Cress
Start	12271	End	12485
GI	none	Score	95
Exons	12271..12378, 12273..12383, 12274..12378, 12281..12388, 12282..12389, 12390..12485, 12393..12485		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o4.tw	Method	TBLASTX:Wheat
Start	31595	End	31928
GI	none	Score	103
Exons	31595..31927, 31616..31924, 31659..31928		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	31775	End	32345
GI	none	Score	185
Exons	31775..32140, 31791..32141, 32145..32186, 32146..32184, 32184..32345, 32191..32337		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o3.tw	Method	TBLASTX:Wheat
Start	31928	End	32525

GI	none	Score	129
Exons	31928..32143, 31932..32138, 32137..32334, 32145..32525, 32146..32469		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	32394	End	32686
GI	none	Score	202
Exons	32394..32684, 32398..32685, 32531..32686		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o2.ts	Method	TBLASTX:Soybean
Start	32484	End	32744
GI	none	Score	135
Exons	32484..32744, 32485..32739		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o2.tw	Method	TBLASTX:Wheat
Start	32532	End	33099
GI	none	Score	329
Exons	32532..33095, 32533..33099		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o2.tc	Method	TBLASTX:Cress
Start	34350	End	34776
GI	none	Score	81
Exons	34350..34502, 34363..34485, 34521..34772, 34573..34776		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o5.tm	Method	TBLASTX:Maize
Start	34674	End	35159
GI	none	Score	91
Exons	34674..35159, 34680..34835		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o7.tw	Method	TBLASTX:Wheat
Start	35067	End	35390
GI	none	Score	71
Exons	35067..35150, 35068..35154, 35187..35390, 35188..35388		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o3.ts	Method	TBLASTX:Soybean
Start	35556	End	35790

GI	none	Score	82
Exons	35556..35789, 35635..35790		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o4.tm	Method	TBLASTX:Maize
Start	35625	End	36068
GI	none	Score	220
Exons	35625..35819, 35823..36068		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o5.tw	Method	TBLASTX:Wheat
Start	35659	End	36125
GI	none	Score	94
Exons	35659..35847, 35664..35819, 35788..35958, 35850..35966, 35865..35975, 35967..36071, 35974..36060, 36072..36125, 36082..36117		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o1.tc	Method	TBLASTX:Cress
Start	35913	End	36243
GI	none	Score	58
Exons	35913..36242, 35914..35988, 36013..36069, 36106..36243		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o1.ts	Method	TBLASTX:Soybean
Start	35991	End	36410
GI	none	Score	104
Exons	35991..36239, 35995..36240, 36289..36408, 36291..36410		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o6.tw	Method	TBLASTX:Wheat
Start	36138	End	36689
GI	none	Score	75
Exons	36138..36242, 36289..36450, 36291..36689, 36568..36591		

Seq. No.	4722	Seq. ID	OJ990712_05.9919.C1
Gene No.	9815	Strand	-
Start	43184	End	48552
Name	OJ990712_05.9919.C1.o11.np	Method	AAT/NAP
Start	43184	End	48552
GI	4680183	Score	192
Exons	43184..43273, 43880..43950, 48508..48552		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9816	Strand	+
Start	554	End	9169

Name	OJ990712_05.9919.C2.o1.gs	Method	GENSCAN
Start	554	End	9169
GI	none	Score	.56
Exons	554..689, 714..1229, 1973..2057, 3613..3736, 3851..4188, 4305..4505, 5303..5386, 6275..6356, 6429..6555, 6847..6983, 9008..9169		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9816	Strand	+
Start	554	End	9169
Name	OJ990712_05.9919.C2.o1.np	Method	AAT/NAP
Start	1055	End	3515
GI	5032266	Score	184
Exons	1055..1337, 3485..3515		
GI Descrip.	(AF147265) similar to Arabidopsis thaliana putative En/Spm transposon protein (GB:AC005396)		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9816	Strand	+
Start	554	End	9169
Name	OJ990712_05.9919.C2.o2.np	Method	AAT/NAP
Start	3632	End	4506
GI	5734788	Score	718
Exons	3632..3736, 3851..4188, 4305..4506		
GI Descrip.	(AC007980) Similar to RNA-binding proteins [Arabidopsis thaliana]		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9816	Strand	+
Start	554	End	9169
Name	OJ990712_05.9919.C2.o1.gp	Method	AAT/GAP
Start	5290	End	7036
GI	none	Score	843
Exons	5290..5386, 6275..6356, 6429..6555, 6847..7036		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9817	Strand	+
Start	9648	End	11841
Name	OJ990712_05.9919.C2.o3.np	Method	AAT/NAP
Start	9648	End	11841
GI	4006833	Score	88
Exons	9648..10108, 11816..11841		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	1040	End	1324
GI	none	Score	182
Exons	1040..1324, 1042..1320		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o2.ts	Method	TBLASTX:Soybean

Start	1096	End	1315
GI	none	Score	257
Exons	1096..1314, 1097..1315		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	3617	End	4105
GI	none	Score	198
Exons	3617..3736, 3618..3731, 3619..3735, 3841..4089, 3846..4100, 3848..4105, 3848..4105		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	3632	End	4033
GI	none	Score	139
Exons	3632..3736, 3643..3732, 3848..4033, 3848..4024, 3853..4032		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	3635	End	4341
GI	none	Score	139
Exons	3635..3736, 3642..3722, 3643..3735, 3841..4035, 3848..4063, 3850..4038, 4145..4186, 4147..4188, 4302..4340, 4303..4341		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o3.ts	Method	TBLASTX:Soybean
Start	5310	End	6560
GI	none	Score	142
Exons	5310..5387, 5312..5386, 6427..6552, 6428..6559, 6429..6560		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	5325	End	6965
GI	none	Score	97
Exons	5325..5387, 5325..5387, 5326..5388, 6273..6296, 6280..6351, 6281..6352, 6421..6555, 6428..6556, 6429..6557, 6906..6965		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9818	Strand	-
Start	6916	End	7364
Name	OJ990712_05.9919.C2.o2.gp	Method	AAT/GAP
Start	6916	End	7364
GI	none	Score	762
Exons	6916..7364		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9819	Strand	

Start	9997	End	10369
Name	OJ990712_05.9919.C2.o3.tm	Method	TBLASTX:Maize
Start	9997	End	10369
GI	none	Score	230
Exons	9997..10362, 9998..10369		

Seq. No.	4723	Seq. ID	OJ990712_05.9919.C2
Gene No.	9820	Strand	
Start	10451	End	10751
Name	OJ990712_05.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	10451	End	10751
GI	none	Score	235
Exons	10451..10744, 10455..10751		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9821	Strand	+
Start	1809	End	5949
Name	OJ990712_05.9919.C3.o1.gs	Method	GENSCAN
Start	1809	End	5949
GI	none	Score	.58
Exons	1809..3189, 5760..5949		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9821	Strand	+
Start	1809	End	5949
Name	OJ990712_05.9919.C3.o1.np	Method	AAT/NAP
Start	1986	End	5910
GI	5817002	Score	866
Exons	1986..3189, 5760..5910		
GI Descrip.	(AL110123) potassium channel-like protein [Arabidopsis thaliana]		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9822	Strand	-
Start	7309	End	8292
Name	OJ990712_05.9919.C3.o2.gs	Method	GENSCAN
Start	7309	End	8292
GI	none	Score	.82
Exons	7309..7421, 7713..8292		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	2443	End	3040
GI	none	Score	372
Exons	2443..2733, 2510..2749, 2690..2749, 2933..3040		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	2555	End	5892
GI	none	Score	160
Exons	2555..2767, 2573..2683, 2906..3187, 2911..3186, 2927..3100, 5764..5892		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3

Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	2780	End	3190
GI	none	Score	87
Exons	2780..2866, 2792..3178, 2914..3189, 2915..3190		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	7730	End	8145
GI	none	Score	68
Exons	7730..7795, 7738..7794, 7781..7897, 7832..7897, 7989..8144, 8050..8145		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	7732	End	8126
GI	none	Score	47
Exons	7732..7788, 7739..7783, 7808..7888, 7852..7890, 8010..8126		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	7832	End	8145
GI	none	Score	75
Exons	7832..7888, 7832..7897, 7854..7907, 8007..8144, 8047..8145		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o2.np	Method	AAT/NAP
Start	9397	End	11485
GI	6598621	Score	570
Exons	9397..9792, 9829..9933, 10144..10213, 10802..10859, 10947..10989, 11080..11156, 11365..11485		
GI Descrip.	(AC006837) transfactor-like protein [Arabidopsis thaliana]		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	9448	End	11586
GI	none	Score	80
Exons	9448..9549, 9453..9542, 9464..9568, 9483..9719, 9538..9939, 9539..9934, 10140..10205, 10141..10215, 10142..10213, 10142..10219, 10782..10856, 10786..10860, 10789..10857, 10802..10870, 10936..10989, 10937..10996, 11065..11127, 11080..11154, 11081..11155, 11364..11513, 11364..11504, 11365..11514, 11366..11530, 11378..11530, 11539..11586		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-

Start	9457	End	12016
Name	OJ990712_05.9919.C3.o3.gs	Method	GENSCAN
Start	9457	End	12016
GI	none	Score	.82
Exons	9457..9933, 10144..10213, 10802..10859, 10947..10989, 11080..11156, 11365..11509, 11981..12016		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	9496	End	9922
GI	none	Score	77
Exons	9496..9552, 9568..9687, 9569..9673, 9755..9781, 9776..9922, 9799..9921		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	9568	End	11459
GI	none	Score	49
Exons	9568..9660, 9569..9673, 9781..9939, 9782..9934, 10141..10215, 10142..10213, 10786..10860, 10936..10989, 10946..10987, 11069..11155, 11080..11154, 11364..11459, 11366..11446		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o1.gp	Method	AAT/GAP
Start	9874	End	10873
GI	none	Score	319
Exons	9874..9933, 10144..10213, 10802..10873		

Seq. No.	4724	Seq. ID	OJ990712_05.9919.C3
Gene No.	9823	Strand	-
Start	9457	End	12016
Name	OJ990712_05.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	10786	End	11510
GI	none	Score	54
Exons	10786..10860, 10948..10989, 10949..10996, 11069..11155, 11080..11154, 11366..11449, 11367..11462, 11370..11468, 11374..11463, 11378..11473, 11451..11510, 11451..11495		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9824	Strand	+
Start	476	End	4849
Name	OJ990712_05.9919.C4.o1.gs	Method	GENSCAN
Start	476	End	4849
GI	none	Score	.49
Exons	476..564, 1215..1368, 2769..3094, 4672..4849		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9825	Strand	-
Start	3568	End	14119
Name	OJ990712_05.9919.C4.o2.np	Method	AAT/NAP
Start	3568	End	14119

GI	4455293	Score	309
Exons	3568..3659, 7925..8066, 8464..8536, 8955..9084, 10252..10360, 13170..13266, 14034..14119		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9825	Strand	-
Start	3568	End	14119
Name	OJ990712_05.9919.C4.o1.np	Method	AAT/NAP
Start	5245	End	6058
GI	5852178	Score	428
Exons	5245..5345, 5619..5718, 5750..6058		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9825	Strand	-
Start	3568	End	14119
Name	OJ990712_05.9919.C4.o2.gs	Method	GENSCAN
Start	5593	End	6236
GI	none	Score	.87
Exons	5593..5718, 5750..6002, 6007..6236		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9825	Strand	-
Start	3568	End	14119
Name	OJ990712_05.9919.C4.o1.gp	Method	AAT/GAP
Start	7432	End	8079
GI	none	Score	1222
Exons	7432..8079		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9826	Strand	-
Start	23610	End	24887
Name	OJ990712_05.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	7753	End	13271
GI	none	Score	54
Exons	7753..7797, 7756..7797, 7818..7910, 7819..7911, 7827..7913, 7920..8069, 7921..8067, 7934..8083, 7997..8074, 8463..8528, 8464..8529, 8464..8532, 8660..8731, 8663..8728, 10132..10188, 10133..10186, 10256..10336, 10259..10336, 13162..13248, 13179..13247, 13230..13271		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9826	Strand	-
Start	23610	End	24887
Name	OJ990712_05.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	21865	End	22107
GI	none	Score	60
Exons	21865..21924, 21865..21924, 21909..22061, 21913..22107, 21921..22028		

Seq. No.	4725	Seq. ID	OJ990712_05.9919.C4
Gene No.	9826	Strand	-
Start	23610	End	24887
Name	OJ990712_05.9919.C4.o3.np	Method	AAT/NAP
Start	23610	End	24887
GI	6523547	Score	365

Exons	23610..24411, 24447..24887		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9827	Strand	+
Start	456	End	1038
Name	OJ990622_07.9919.C1.o1.gs	Method	GENSCAN
Start	456	End	1038
GI	none	Score	.91
Exons	456..527, 943..1038		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9828	Strand	+
Start	1478	End	6122
Name	OJ990622_07.9919.C1.o1.np	Method	AAT/NAP
Start	1478	End	2173
GI	5441879	Score	750
Exons	1478..2173		
GI Descrip.	(AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9828	Strand	+
Start	1478	End	6122
Name	OJ990622_07.9919.C1.o2.gs	Method	GENSCAN
Start	1478	End	2176
GI	none	Score	1
Exons	1478..2176		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9828	Strand	+
Start	1478	End	6122
Name	OJ990622_07.9919.C1.o2.np	Method	AAT/NAP
Start	1687	End	6122
GI	6815109	Score	211
Exons	1687..1708, 2968..2995, 3111..3298, 3364..3451, 5785..6122		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9828	Strand	+
Start	1478	End	6122
Name	OJ990622_07.9919.C1.o3.np	Method	AAT/NAP
Start	2100	End	5752
GI	6815109	Score	185
Exons	2100..2140, 2968..2995, 3111..3303, 5675..5752		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9828	Strand	+
Start	1478	End	6122
Name	OJ990622_07.9919.C1.o3.gs	Method	GENSCAN
Start	5140	End	5702
GI	none	Score	.64
Exons	5140..5280, 5532..5702		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	1685	End	6121
GI	none	Score	87
Exons	1685..1768, 1735..2046, 1736..2179, 2021..2104, 6026..6121		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o1.ts	Method	TBLASTX:Soybean
Start	1685	End	2164
GI	none	Score	74
Exons	1685..1738, 1744..1947, 1745..2164, 1748..1963, 2011..2046		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	1685	End	3203
GI	none	Score	274
Exons	1685..1846, 1696..1845, 3066..3203		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o1.tc	Method	TBLASTX:Cress
Start	1688	End	2182
GI	none	Score	66
Exons	1688..1744, 1730..2002, 1748..1936, 1756..1944, 2024..2182		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o1.gp	Method	AAT/GAP
Start	1950	End	2729
GI	57072_1.R1084	Score	1483
Exons	1950..2729		
GI Descrip.	'5441879/dbj|BAA82377.1| 8.0e-22 (AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]'		

Seq. No.	4726	Seq. ID	OJ990622_07.9919.C1
Gene No.	9829	Strand	-
Start	1950	End	6121
Name	OJ990622_07.9919.C1.o2.tw	Method	TBLASTX:Wheat
Start	2030	End	2179
GI	none	Score	222
Exons	2030..2179, 2030..2104		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9830	Strand	+
Start	272	End	971
Name	OJ990622_07.9919.C2.o1.gs	Method	GENSCAN
Start	272	End	971

GI	none	Score	.46
Exons	272..279, 558..720, 849..971		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9831	Strand	+
Start	1926	End	2332
Name	OJ990622_07.9919.C2.o1.gp	Method	AAT/GAP
Start	1926	End	2332
GI	7406_1.R1084	Score	669
Exons	1926..2332		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o2.gs	Method	GENSCAN
Start	1842	End	6446
GI	none	Score	.61
Exons	1842..2004, 2587..2713, 2864..3066, 3071..3118, 3182..3313, 3404..3441, 3507..3689, 3782..3855, 3937..4112, 4314..5126, 5389..6446		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o2.gp	Method	AAT/GAP
Start	2275	End	2728
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	2275..2728		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o1.np	Method	AAT/NAP
Start	2832	End	5993
GI	5441880	Score	2366
Exons	2832..3066, 3182..4252, 4511..4542, 4987..5993		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o3.gp	Method	AAT/GAP
Start	3790	End	3907
GI	LIB3475-007-P1-K1-G8	Score	192
Exons	3790..3907		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-

Start	1842	End	7062
Name	OJ990622_07.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	4757	End	5137
GI	none	Score	79
Exons	4757..4933, 4787..4933, 4818..4937, 4931..5125, 4943..5137		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	4835	End	5432
GI	none	Score	151
Exons	4835..4906, 4970..5269, 5031..5252, 5304..5432, 5326..5424		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o4.gp	Method	AAT/GAP
Start	4957	End	5389
GI	5701669	Score	830
Exons	4957..5389		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o2.np	Method	AAT/NAP
Start	6006	End	7062
GI	6721543	Score	160
Exons	6006..6122, 6937..7062		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4727	Seq. ID	OJ990622_07.9919.C2
Gene No.	9832	Strand	-
Start	1842	End	7062
Name	OJ990622_07.9919.C2.o5.gp	Method	AAT/GAP
Start	6887	End	7052
GI	7406_1.R1084	Score	194
Exons	6887..7052		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9833	Strand	+
Start	212	End	3731
Name	OJ990622_07.9919.C3.o1.gs	Method	GENSCAN
Start	212	End	3731
GI	none	Score	.4
Exons	212..276, 701..829, 1858..2029, 3615..3731		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9834	Strand	+
Start	5075	End	9195
Name	OJ990622_07.9919.C3.o2.gs	Method	GENSCAN
Start	5075	End	9195

GI	none	Score	.61
Exons	5075..5389, 5524..5622, 6378..6630, 7465..7575, 8408..8564, 8823..8920, 9065..9195		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9834	Strand	+
Start	5075	End	9195
Name	OJ990622_07.9919.C3.o1.np	Method	AAT/NAP
Start	5186	End	9195
GI	6730659	Score	1575
Exons	5186..5389, 5524..5622, 6378..6630, 7465..7575, 7959..8095, 8222..8335, 8426..8624, 8766..8960, 9036..9195		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9835	Strand	+
Start	11928	End	12311
Name	OJ990622_07.9919.C3.o2.gp	Method	AAT/GAP
Start	11928	End	12311
GI	uC-osflcyp172g10a1	Score	760
Exons	11928..12311		
GI Descrip.	'2384671 7.0e-18 (AF012657) putative potassium transporter AtKT2p [Arabidopsis thaliana]'		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	5080	End	5619
GI	none	Score	139
Exons	5080..5214, 5081..5305, 5315..5401, 5347..5391, 5521..5619, 5532..5618		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.tc	Method	TBLASTX:Cress
Start	5105	End	8290
GI	none	Score	194
Exons	5105..5290, 5345..5401, 5521..5637, 5523..5636, 6372..6641, 6425..6628, 7463..7579, 7473..7577, 7954..8103, 7958..8098, 8216..8290, 8221..8289		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o5.ts	Method	TBLASTX:Soybean
Start	5105	End	5636
GI	none	Score	186
Exons	5105..5290, 5107..5214, 5321..5401, 5521..5622, 5523..5636		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o6.ts	Method	TBLASTX:Soybean
Start	6372	End	8037
GI	none	Score	356

Exons	6372..6626, 6377..6625, 7463..7516, 7464..7517, 7473..7529, 7530..7631, 7533..7577, 7948..7974, 7954..8037, 7958..8035		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	6435	End	7504
GI	none	Score	299
Exons	6435..6629, 6437..6628, 7463..7504		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	7506	End	9189
GI	none	Score	104
Exons	7506..7577, 7511..7579, 7954..8103, 7958..8098, 8216..8335, 8221..8334, 8423..8518, 8524..8622, 8742..8819, 8763..8858, 8767..8859, 8844..8951, 8857..8913, 9034..9189		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	8222	End	9194
GI	none	Score	180
Exons	8222..8335, 8230..8334, 8411..8524, 8419..8517, 8423..8518, 8518..8625, 8520..8624, 8527..8625, 8763..8960, 8764..8961, 9034..9192, 9045..9194		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	8480	End	9189
GI	none	Score	63
Exons	8480..8524, 8518..8625, 8526..8621, 8764..8961, 8766..8960, 9034..9189		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.gs	Method	GENSCAN
Start	10519	End	11820
GI	none	Score	.86
Exons	10519..11820		
Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o2.np	Method	AAT/NAP
Start	10526	End	12909
GI	2245003	Score	841
Exons	10526..11526, 11575..11813, 12754..12909		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o7.ts	Method	TBLASTX:Soybean
Start	10633	End	11121
GI	none	Score	156
Exons	10633..10893, 10915..11121		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	10636	End	11748
GI	none	Score	47
Exons	10636..10899, 10691..10801, 10912..10977, 10915..11121, 10916..11122, 11047..11301, 11122..11208, 11287..11427, 11326..11730, 11329..11517, 11395..11748, 11429..11569, 11500..11595		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	10987	End	11730
GI	none	Score	66
Exons	10987..11130, 10988..11134, 11047..11118, 11048..11113, 11134..11307, 11171..11311, 11330..11467, 11344..11466, 11350..11730		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o4.tc	Method	TBLASTX:Cress
Start	11008	End	11730
GI	none	Score	130
Exons	11008..11304, 11134..11310, 11326..11418, 11329..11427, 11344..11622, 11431..11730, 11440..11712		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o9.ts	Method	TBLASTX:Soybean
Start	11128	End	11724
GI	none	Score	72
Exons	11128..11310, 11359..11724, 11363..11578		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o1.gp	Method	AAT/GAP
Start	11162	End	11634
GI	uC-osf1M202050g11b1	Score	922
Exons	11162..11634		
GI Descrip.	'5803274/dbj|BAA83584.1| 1.0e-26 (AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]'		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	12085	End	12365
GI	none	Score	121
Exons	12085..12267, 12102..12365, 12252..12317		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o4.gs	Method	GENSCAN
Start	12087	End	16201
GI	none	Score	.8
Exons	12087..12842, 12956..13362, 13491..13617, 14081..14133, 15480..15533, 15625..16201		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.np	Method	AAT/NAP
Start	12090	End	16204
GI	3176686	Score	2540
Exons	12090..12411, 12457..12575, 12618..12842, 12956..13362, 13491..13745, 13844..13967, 14081..14133, 14218..14478, 15625..15829, 15876..16204		
GI Descrip.	(AC003671) Similar to high affinity potassium transporter, HAK1 protein gb|U22945 from Schwanniomyces occidentalis. [Arabidopsis thaliana]		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	12102	End	16183
GI	none	Score	109
Exons	12102..12332, 12648..12845, 12649..12834, 12887..13366, 12966..13025, 13065..13364, 13486..13740, 13490..13732, 13845..13880, 13846..13878, 13890..13964, 13891..13968, 14078..14143, 14085..14135, 14216..14470, 14217..14477, 14247..14468, 15481..15537, 15626..15736, 15878..16183, 15924..16166		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	12102	End	13965
GI	none	Score	102
Exons	12102..12308, 12651..12845, 12680..12793, 12732..12848, 12887..13366, 12938..13204, 12963..13364, 13486..13746, 13490..13747, 13845..13964, 13891..13965		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o8.ts	Method	TBLASTX:Soybean

Start	12102	End	12329
GI	none	Score	231
Exons	12102..12329		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	12645	End	13367
GI	none	Score	171
Exons	12645..12845, 12655..12837, 12726..12848, 12941..13363, 12966..13025, 13068..13364, 13083..13367		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.gp	Method	AAT/GAP
Start	12653	End	13084
GI	LIB3434-026-P1-K1-E11	Score	594
Exons	12653..12842, 12956..13084		
GI Descrip.	'3176686 1.0e-46 (AC003671) Similar to high affinity potassium transporter, HAK1 protein gb_U22945 from Schwanniomyces occidentalis. [Arabidopsis thaliana]'		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	13486	End	14477
GI	none	Score	258
Exons	13486..13746, 13490..13747, 13845..13892, 13890..13964, 14078..14143, 14086..14178, 14100..14135, 14213..14293, 14220..14345, 14247..14291, 14312..14422, 14325..14408, 14339..14422, 14415..14477		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	14078	End	14413
GI	none	Score	61
Exons	14078..14143, 14085..14144, 14213..14413, 14236..14403, 14244..14408		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	15878	End	16159
GI	none	Score	276
Exons	15878..16159, 15924..16154		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	15923	End	16189

GI	none	Score	330
Exons	15923..16189, 15927..16169		

Seq. No.	4728	Seq. ID	OJ990622_07.9919.C3
Gene No.	9836	Strand	-
Start	10519	End	16723
Name	OJ990622_07.9919.C3.o4.gp	Method	AAT/GAP
Start	15990	End	16723
GI	39914_1.R1084	Score	1006
Exons	15990..16192, 16386..16723		
GI Descrip.	'2384671 2.0e-21 (AF012657) putative potassium transporter AtKT2p [Arabidopsis thaliana]'		

Seq. No.	4729	Seq. ID	OJ990622_07.9919.C4
Gene No.	9837	Strand	+
Start	1	End	3025
Name	OJ990622_07.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	3025
GI	6523547	Score	190
Exons	1..465, 2964..3025		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9838	Strand	+
Start	2051	End	7521
Name	OJ990622_07.9919.C5.o1.gs	Method	GENSCAN
Start	2051	End	7521
GI	none	Score	.52
Exons	2051..2169, 3017..3256, 5829..6210, 6294..6343, 7180..7282, 7441..7521		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9839	Strand	+
Start	7931	End	9203
Name	OJ990622_07.9919.C5.o2.gs	Method	GENSCAN
Start	7931	End	9203
GI	none	Score	.65
Exons	7931..8003, 8314..8391, 8474..8498, 8864..9203		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9840	Strand	+
Start	14314	End	26559
Name	OJ990622_07.9919.C5.o4.gs	Method	GENSCAN
Start	14314	End	26559
GI	none	Score	.63
Exons	14314..14321, 16374..16570, 16701..16907, 18575..18892, 18990..19025, 19210..19354, 20740..20901, 21138..21171, 24387..24498, 24621..24692, 24894..25321, 25409..26307, 26355..26559		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9840	Strand	+
Start	14314	End	26559
Name	OJ990622_07.9919.C5.o1.np	Method	AAT/NAP
Start	23723	End	26499
GI	6552735	Score	615

Exons	23723..23773, 24951..25508, 25712..26499		
GI Descrip.	(AC013482) T26F17.17 [Arabidopsis thaliana]		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9841	Strand	-
Start	10119	End	11721
Name	OJ990622_07.9919.C5.o3.gs	Method	GENSCAN
Start	10119	End	11721
GI	none	Score	.89
Exons	10119..10309, 11688..11721		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9842	Strand	-
Start	26507	End	31237
Name	OJ990622_07.9919.C5.o1.gp	Method	AAT/GAP
Start	26507	End	29491
GI	342_1.R1084	Score	4972
Exons	26507..29491		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9842	Strand	-
Start	26507	End	31237
Name	OJ990622_07.9919.C5.o2.np	Method	AAT/NAP
Start	26718	End	28682
GI	6742729	Score	3080
Exons	26718..28682		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9842	Strand	-
Start	26507	End	31237
Name	OJ990622_07.9919.C5.o5.gs	Method	GENSCAN
Start	26834	End	31237
GI	none	Score	.48
Exons	26834..28047, 28162..28341, 28481..28635, 28714..29495, 30300..30437, 30570..30595, 30916..31237		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9842	Strand	-
Start	26507	End	31237
Name	OJ990622_07.9919.C5.o4.np	Method	AAT/NAP
Start	29166	End	30636
GI	5852182	Score	433
Exons	29166..29495, 30550..30636		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	24953	End	25303
GI	none	Score	180
Exons	24953..25303		
Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5

Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	25024	End	25348
GI	none	Score	220
Exons	25024..25347, 25025..25348		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o5.tw	Method	TBLASTX:Wheat
Start	25883	End	26331
GI	none	Score	241
Exons	25883..26212, 25898..26131, 25924..26160, 26233..26331		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	25919	End	26328
GI	none	Score	127
Exons	25919..26056, 25924..26055, 26057..26227, 26059..26160, 26229..26327, 26230..26328		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	26528	End	27551
GI	none	Score	62
Exons	26528..26587, 26529..26591, 26594..26638, 26599..26661, 26633..27550, 26649..27551, 26826..27551		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	26816	End	27263
GI	none	Score	91
Exons	26816..26965, 26816..27259, 26820..27263, 26838..27263		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	27194	End	27508
GI	none	Score	144
Exons	27194..27508, 27222..27497		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	27552	End	27962
GI	none	Score	81
Exons	27552..27638, 27554..27637, 27671..27889, 27711..27893, 27861..27962, 27899..27961		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	27995	End	28237
GI	none	Score	71
Exons	27995..28237, 28032..28232		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	28067	End	28529
GI	none	Score	45
Exons	28067..28261, 28271..28390, 28425..28529, 28425..28517	28271..28396, 28390..28428,	

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	28106	End	28575
GI	none	Score	137
Exons	28106..28309, 28146..28307, 28392..28520, 28431..28520, 28522..28575	28310..28396, 28311..28397, 28432..28521, 28518..28574,	

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	28390	End	28710
GI	none	Score	64
Exons	28390..28434, 28431..28703, 28432..28509, 28558..28710		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	28443	End	28872
GI	none	Score	82
Exons	28443..28706, 28461..28607, 28789..28872, 28797..28871	28462..28707, 28734..28796,	

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	28788	End	29189
GI	none	Score	155
Exons	28788..29045, 28793..29035, 28804..29046, 29037..29189,	28801..29043, 28803..29054, 29051..29113	

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859

Name	OJ990622_07.9919.C5.o6.gs	Method	GENSCAN
Start	35653	End	36859
GI	none	Score	.89
Exons	35653..35782, 35966..36056, 36690..36859		

Seq. No.	4730	Seq. ID	OJ990622_07.9919.C5
Gene No.	9843	Strand	-
Start	35653	End	36859
Name	OJ990622_07.9919.C5.o2.gp	Method	AAT/GAP
Start	35695	End	36728
GI	none	Score	746
Exons	35695..35849, 35966..36035, 36270..36376, 36501..36599, 36690..36728		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.gp	Method	AAT/GAP
Start	1	End	440
GI	911_1.R1084	Score	508
Exons	1..91, 182..301, 376..440		
GI Descrip.	'5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]'		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.np	Method	AAT/NAP
Start	1	End	2499
GI	218179	Score	1748
Exons	1..91, 182..301, 376..495, 572..778, 866..1045, 1129..1263, 1368..1505, 1612..1710, 1806..1925, 2446..2499		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi|444339|prf||1906387A H ATPase [Oryza sativa]		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.tc	Method	TBLASTX:Cress
Start	3	End	1926
GI	none	Score	105
Exons	3..92, 5..94, 8..94, 167..235, 182..310, 183..302, 373..498, 374..496, 543..767, 552..779, 563..781, 863..1036, 864..1046, 867..1046, 1116..1253, 1129..1266, 1130..1264, 1365..1544, 1366..1497, 1615..1713, 1616..1711, 1617..1718, 1617..1712, 1782..1919, 1806..1925, 1810..1926		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	1903
GI	none	Score	89
Exons	3..92, 5..94, 5..94, 182..310, 183..302, 373..498, 374..496, 563..781, 564..782, 863..979, 863..1036, 864..1052, 864..1046, 1129..1266, 1133..1264, 1151..1270, 1362..1505, 1365..1502, 1435..1506, 1597..1713, 1598..1711, 1615..1713, 1653..1718,		

1782..1883, 1788..1886, 1805..1903

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1206
GI	none	Score	92
Exons	3..92, 5..94, 6..92, 180..236, 182..310, 183..308, 373..498, 374..496, 551..766, 562..684, 563..781, 564..779, 863..1036, 864..1046, 1026..1046, 1129..1206, 1130..1201		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.gs	Method	GENSCAN
Start	13	End	2499
GI	none	Score	.68
Exons	13..91, 182..301, 376..495, 572..778, 866..1045, 1129..1263, 1368..1505, 1612..1710, 1806..1925, 2446..2499		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o1.tw	Method	TBLASTX:Wheat
Start	373	End	914
GI	none	Score	138
Exons	373..498, 374..496, 521..781, 563..781, 573..782, 863..913, 864..914		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o2.tw	Method	TBLASTX:Wheat
Start	917	End	1719
GI	none	Score	151
Exons	917..1036, 918..1046, 1125..1184, 1129..1266, 1130..1264, 1365..1478, 1366..1476, 1431..1481, 1610..1666, 1612..1719, 1619..1699		

Seq. No.	4731	Seq. ID	OJ990722_06.9907.C1
Gene No.	9844	Strand	-
Start	1	End	2499
Name	OJ990722_06.9907.C1.o2.ts	Method	TBLASTX:Soybean
Start	1207	End	2499
GI	none	Score	68
Exons	1207..1260, 1208..1258, 1368..1496, 1378..1491, 1425..1505, 1435..1506, 1598..1711, 1613..1711, 1615..1713, 1617..1712, 1788..1958, 1806..1925, 2395..2499		

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9845	Strand	-
Start	913	End	2666
Name	OJ990722_06.9907.C2.o1.tm	Method	TBLASTX:Maize
Start	857	End	2058
GI	none	Score	358
Exons	857..1168, 862..1170, 873..1178, 874..1182, 1802..2056,		

1803..2057, 1804..2058, 1804..2058

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9845	Strand	-
Start	913	End	2666
Name	OJ990722_06.9907.C2.o1.gp	Method	AAT/GAP
Start	913	End	2455
GI	none	Score	1560
Exons	913..1167, 1805..2125, 2202..2455		

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9845	Strand	-
Start	913	End	2666
Name	OJ990722_06.9907.C2.o1.ts	Method	TBLASTX:Soybean
Start	2027	End	2666
GI	none	Score	64
Exons	2027..2125, 2028..2126, 2183..2248, 2199..2318, 2226..2294, 2298..2411, 2484..2663, 2551..2664, 2555..2665, 2565..2666		

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9845	Strand	-
Start	913	End	2666
Name	OJ990722_06.9907.C2.o3.tm	Method	TBLASTX:Maize
Start	2211	End	2598
GI	none	Score	161
Exons	2211..2363, 2226..2357, 2361..2426, 2368..2439, 2442..2597, 2442..2597, 2551..2598		

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9846	Strand	
Start	2889	End	3648
Name	OJ990722_06.9907.C2.o2.tm	Method	TBLASTX:Maize
Start	2889	End	3648
GI	none	Score	47
Exons	2889..2939, 2903..2938, 2934..3191, 3013..3192, 3194..3241, 3195..3242, 3195..3242, 3196..3243, 3326..3397, 3327..3395, 3337..3441, 3338..3397, 3576..3647, 3589..3648, 3589..3648		

Seq. No.	4732	Seq. ID	OJ990722_06.9907.C2
Gene No.	9847	Strand	
Start	5932	End	6342
Name	OJ990722_06.9907.C2.o4.tm	Method	TBLASTX:Maize
Start	5932	End	6342
GI	none	Score	102
Exons	5932..6045, 5950..6045, 5979..6167, 6098..6166, 6100..6168, 6160..6234, 6197..6235, 6197..6235, 6242..6334, 6243..6335, 6274..6342		

Seq. No.	4733	Seq. ID	OJ990722_06.9907.C3
Gene No.	9848	Strand	+
Start	380	End	618
Name	OJ990722_06.9907.C3.o1.gs	Method	GENSCAN
Start	380	End	618
GI	none	Score	.83
Exons	380..462, 516..618		

Seq. No.	4733	Seq. ID	OJ990722_06.9907.C3

Gene No.	9849	Strand	+
Start	5789	End	6236
Name	OJ990722_06.9907.C3.o1.gp	Method	AAT/GAP
Start	5789	End	6236
GI	38782_1.R1084	Score	753
Exons	5789..6236		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	4733	Seq. ID	OJ990722_06.9907.C3
Gene No.	9850	Strand	+
Start	13751	End	13871
Name	OJ990722_06.9907.C3.o3.np	Method	AAT/NAP
Start	13751	End	13871
GI	6730698	Score	90
Exons	13751..13871		
GI Descrip.	(AC011809) Similar to peptide transport proteins [Arabidopsis thaliana]		

Seq. No.	4733	Seq. ID	OJ990722_06.9907.C3
Gene No.	9851	Strand	-
Start	2504	End	7030
Name	OJ990722_06.9907.C3.o1.np	Method	AAT/NAP
Start	2504	End	4235
GI	6907086	Score	947
Exons	2504..2924, 3148..3401, 3462..4235		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4733	Seq. ID	OJ990722_06.9907.C3
Gene No.	9851	Strand	-
Start	2504	End	7030
Name	OJ990722_06.9907.C3.o2.np	Method	AAT/NAP
Start	4082	End	7030
GI	4680186	Score	165
Exons	4082..4186, 5336..5514, 6338..6401, 6982..7030		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9852	Strand	+
Start	1	End	4170
Name	OJ990722_06.9907.C4.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6730698	Score	505
Exons	1..713		
GI Descrip.	(AC011809) Similar to peptide transport proteins [Arabidopsis thaliana]		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9852	Strand	+
Start	1	End	4170
Name	OJ990722_06.9907.C4.o1.gs	Method	GENSCAN
Start	82	End	747
GI	none	Score	.91
Exons	82..747		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9852	Strand	+

Start	1	End	4170
Name	OJ990722_06.9907.C4.o2.np	Method	AAT/NAP
Start	374	End	4170
GI	6016874	Score	166
Exons	374..659, 2811..2944, 4139..4170		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9852	Strand	+
Start	1	End	4170
Name	OJ990722_06.9907.C4.o2.gs	Method	GENSCAN
Start	1920	End	3364
GI	none	Score	.91
Exons	1920..2036, 2089..2280, 2808..2944, 3066..3097, 3117..3364		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9853	Strand	+
Start	9851	End	12283
Name	OJ990722_06.9907.C4.o3.np	Method	AAT/NAP
Start	9851	End	12283
GI	6730698	Score	96
Exons	9851..9941, 12215..12283		
GI Descrip.	(AC011809) Similar to peptide transport proteins [Arabidopsis thaliana]		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9854	Strand	-
Start	1423	End	1503
Name	OJ990722_06.9907.C4.o1.gp	Method	AAT/GAP
Start	1423	End	1503
GI	90742_1.R1084	Score	105
Exons	1423..1503		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279
Name	OJ990722_06.9907.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	12279
GI	none	Score	112
Exons	1..102, 3..89, 112..324, 120..284, 342..542, 343..543, 544..669, 546..671, 9899..9943, 12213..12278, 12214..12279		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279
Name	OJ990722_06.9907.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	606
GI	none	Score	97
Exons	1..96, 112..324, 159..260, 342..512, 343..540, 535..606		

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279

Name	OJ990722_06.9907.C4.o1.tc	Method	TBLASTX:Cress
Start	112	End	690
GI	none	Score	180
Exons	112..318, 120..269, 343..432,	424..516,	568..690

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279
Name	OJ990722_06.9907.C4.o1.tw	Method	TBLASTX:Wheat
Start	348	End	666
GI	none	Score	133
Exons	348..539, 355..540, 540..665,	541..666	

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279
Name	OJ990722_06.9907.C4.o3.gs	Method	GENSCAN
Start	3943	End	9973
GI	none	Score	.56
Exons	3943..4050, 4781..4920, 9781..	9973	

Seq. No.	4734	Seq. ID	OJ990722_06.9907.C4
Gene No.	9855	Strand	-
Start	3943	End	12279
Name	OJ990722_06.9907.C4.o2.gp	Method	AAT/GAP
Start	5440	End	5692
GI	3106573	Score	303
Exons	5440..5692		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9856	Strand	+
Start	1	End	1201
Name	OJ990722_06.9907.C5.o1.np	Method	AAT/NAP
Start	1	End	1200
GI	4678332	Score	845
Exons	1..1200		
GI Descrip.	(AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9856	Strand	+
Start	1	End	1201
Name	OJ990722_06.9907.C5.o1.gs	Method	GENSCAN
Start	44	End	1201
GI	none	Score	.61
Exons	44..1201		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1129
GI	none	Score	314
Exons	1..201, 2..217, 269..340, 286..441, 391..777, 392..778, 814..921, 815..1000, 1001..1129, 1003..1116, 1016..1129		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o3.ts	Method	TBLASTX:Soybean
Start	2	End	220
GI	none	Score	214
Exons	2..220, 7..195		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o1.tc	Method	TBLASTX:Cress
Start	5	End	1111
GI	none	Score	112
Exons	5..217, 308..340, 395..562, 545..682, 580..657, 689..775, 703..777, 815..997, 974..1111		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o1.ts	Method	TBLASTX:Soybean
Start	427	End	1063
GI	none	Score	312
Exons	427..765, 428..778, 815..997, 817..918, 977..1063		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.tw	Method	TBLASTX:Wheat
Start	818	End	1129
GI	none	Score	130
Exons	818..997, 998..1129		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.gs	Method	GENSCAN
Start	3643	End	6546
GI	none	Score	.73
Exons	3643..3796, 3919..4043, 4769..4840, 5315..5384, 5427..5609, 5704..6036, 6162..6416, 6512..6546		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.np	Method	AAT/NAP
Start	3855	End	6416
GI	4263791	Score	770
Exons	3855..4054, 4264..4335, 4447..4518, 4628..4699, 4769..4840, 4954..5025, 5211..5283, 5432..5567, 5695..6036, 6171..6416		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.tm	Method	TBLASTX:Maize

Start	4295	End	5972
GI	none	Score	59
Exons	4295..4336, 4297..4332, 4447..4521, 4447..4518, 4448..4525, 4451..4537, 4625..4714, 4628..4699, 4629..4718, 4748..4834, 4768..4830, 4769..4849, 4770..4850, 4922..5026, 4940..5026, 4945..5028, 4954..5061, 5206..5319, 5211..5327, 5212..5307, 5417..5449, 5425..5454, 5437..5655, 5440..5598, 5441..5626, 5702..5767, 5703..5747, 5706..5786, 5707..5784, 5789..5857, 5799..5864, 5865..5972, 5865..5966, 5894..5968		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o4.ts	Method	TBLASTX:Soybean
Start	4800	End	5797
GI	none	Score	46
Exons	4800..4850, 4937..5026, 4942..5028, 4942..5055, 5211..5300, 5212..5301, 5417..5605, 5480..5605, 5708..5797		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.ts	Method	TBLASTX:Soybean
Start	5802	End	6415
GI	none	Score	60
Exons	5802..5867, 5874..6038, 6149..6415, 6149..6346, 6190..6414		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o1.tw	Method	TBLASTX:Wheat
Start	5814	End	6316
GI	none	Score	114
Exons	5814..6020, 6122..6316, 6184..6270		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o2.tc	Method	TBLASTX:Cress
Start	5906	End	6415
GI	none	Score	171
Exons	5906..6034, 5907..6035, 6124..6414, 6125..6415, 6167..6415		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o3.tm	Method	TBLASTX:Maize
Start	5973	End	6343
GI	none	Score	97
Exons	5973..6038, 5983..6036, 5984..6037, 6155..6343, 6160..6342, 6161..6343		

Seq. No.	4735	Seq. ID	OJ990722_06.9907.C5
Gene No.	9857	Strand	+
Start	3643	End	6546
Name	OJ990722_06.9907.C5.o1.gp	Method	AAT/GAP
Start	6162	End	6416

GI	LIB3434-029-P1-K1-A7	Score	470
Exons	6162..6416		
GI Descrip.	'4263791/gb|AAD15451| 4.0e-54 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	4736	Seq. ID	OJ990722_06.9907.C6
Gene No.	9858	Strand	+
Start	99	End	323
Name	OJ990722_06.9907.C6.o1.gs	Method	GENSCAN
Start	99	End	323
GI	none	Score	.95
Exons	99..323		

Seq. No.	4736	Seq. ID	OJ990722_06.9907.C6
Gene No.	9859	Strand	+
Start	4340	End	4734
Name	OJ990722_06.9907.C6.o1.gp	Method	AAT/GAP
Start	4340	End	4734
GI	5607397	Score	720
Exons	4340..4734		

Seq. No.	4736	Seq. ID	OJ990722_06.9907.C6
Gene No.	9860	Strand	-
Start	3037	End	3443
Name	OJ990722_06.9907.C6.o2.gs	Method	GENSCAN
Start	3037	End	3443
GI	none	Score	.68
Exons	3037..3167, 3281..3443		

Seq. No.	4736	Seq. ID	OJ990722_06.9907.C6
Gene No.	9861	Strand	-
Start	8276	End	8504
Name	OJ990722_06.9907.C6.o1.tm	Method	TBLASTX:Maize
Start	84	End	325
GI	none	Score	363
Exons	84..323, 88..132, 98..325, 98..289, 99..323, 190..324		

Seq. No.	4736	Seq. ID	OJ990722_06.9907.C6
Gene No.	9861	Strand	-
Start	8276	End	8504
Name	OJ990722_06.9907.C6.o1.np	Method	AAT/NAP
Start	8276	End	8504
GI	6069646	Score	234
Exons	8276..8504		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9862	Strand	+
Start	1	End	2410
Name	OJ990722_06.9907.C7.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	3402684	Score	858
Exons	1..1154		

GI Descrip. (AC004697) nodulin-like protein [Arabidopsis thaliana]

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9862	Strand	+
Start	1	End	2410
Name	OJ990722_06.9907.C7.o2.np	Method	AAT/NAP
Start	1	End	2410
GI	6069646	Score	1234
Exons	1..25, 1410..2410		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9862	Strand	+
Start	1	End	2410
Name	OJ990722_06.9907.C7.o1.gs	Method	GENSCAN
Start	67	End	1110
GI	none	Score	1
Exons	67..1110		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9863	Strand	+
Start	8383	End	8601
Name	OJ990722_06.9907.C7.o4.gs	Method	GENSCAN
Start	8383	End	8601
GI	none	Score	.63
Exons	8383..8601		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9864	Strand	+
Start	11179	End	14407
Name	OJ990722_06.9907.C7.o5.gs	Method	GENSCAN
Start	11179	End	14407
GI	none	Score	.63
Exons	11179..11253, 13046..13153, 13486..13523, 13701..13880, 14026..14407		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9865	Strand	+
Start	16697	End	18749
Name	OJ990722_06.9907.C7.o6.gs	Method	GENSCAN
Start	16697	End	18749
GI	none	Score	.72
Exons	16697..16744, 17409..17722, 17764..17953, 18699..18749		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9866	Strand	+
Start	20056	End	21069
Name	OJ990722_06.9907.C7.o7.gs	Method	GENSCAN
Start	20056	End	21069
GI	none	Score	.66
Exons	20056..20553, 20565..20855, 20866..21069		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7

Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o4.gp	Method	AAT/GAP
Start	24118	End	24604
GI	4968941	Score	701
Exons	24118..24333, 24403..24604		
GI Descrip.	4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o5.np	Method	AAT/NAP
Start	24151	End	29957
GI	6635443	Score	1576
Exons	24151..24333, 24403..24650, 28991..29957		
GI Descrip.	(AF200826) purple acid phosphatase precursor [Ipomoea batatas]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o8.gs	Method	GENSCAN
Start	24151	End	26943
GI	none	Score	.5
Exons	24151..24333, 24403..24715, 26051..26177, 26338..26491, 26521..26943		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o5.gp	Method	AAT/GAP
Start	26576	End	26897
GI	uC-osf1M202097e03b1	Score	633
Exons	26576..26897		
GI Descrip.	'4874290/gb|AAD31353.1|AC007212_9 4.0e-41 (AC007212) putative purple acid phosphatase [Arabidopsis thaliana]'		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o6.gp	Method	AAT/GAP
Start	26961	End	27344
GI	3768716	Score	726
Exons	26961..27344		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9867	Strand	+
Start	24151	End	29957
Name	OJ990722_06.9907.C7.o9.gs	Method	GENSCAN
Start	28563	End	29945
GI	none	Score	.94
Exons	28563..29945		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9868	Strand	+
Start	32543	End	35692
Name	OJ990722_06.9907.C7.o7.gp	Method	AAT/GAP

Start	32543	End	35692
GI	500_1.R1084	Score	1252
Exons	32543..32668, 32773..32876, 33070..33172, 33297..33360, 35308..35396, 35484..35692		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9868	Strand	+
Start	32543	End	35692
Name	OJ990722_06.9907.C7.o6.np	Method	AAT/NAP
Start	32639	End	35576
GI	1174853	Score	641
Exons	32639..32668, 32773..32876, 33070..33172, 33297..33360, 35308..35396, 35484..35576		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-18 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42) gi|481811|pir||S39483 ubiquitin-conjugating enzyme UBC2-1 - Arabidopsis thaliana gi|22658|emb|CAA48378| (X68306) ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9869	Strand	-
Start	2530	End	6489
Name	OJ990722_06.9907.C7.o3.np	Method	AAT/NAP
Start	2530	End	5089
GI	3184275	Score	85
Exons	2530..2551, 4121..4506, 4988..5089		
GI Descrip.	(AC004136) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9869	Strand	-
Start	2530	End	6489
Name	OJ990722_06.9907.C7.o1.gp	Method	AAT/GAP
Start	4404	End	4947
GI	none	Score	969
Exons	4404..4947		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9869	Strand	-
Start	2530	End	6489
Name	OJ990722_06.9907.C7.o3.gs	Method	GENSCAN
Start	4658	End	6426
GI	none	Score	.54
Exons	4658..5617, 5662..6426		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9869	Strand	-
Start	2530	End	6489
Name	OJ990722_06.9907.C7.o4.np	Method	AAT/NAP
Start	4680	End	6438
GI	3402684	Score	1486
Exons	4680..6438		
GI Descrip.	(AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9869	Strand	-

Start	2530	End	6489
Name	OJ990722_06.9907.C7.o2.gp	Method	AAT/GAP
Start	5932	End	6489
GI	52378_1.R1084	Score	1079
Exons	5932..6489		
GI Descrip.	'4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o3.tm	Method	TBLASTX:Maize
Start	253	End	5479
GI	none	Score	349
Exons	253..573, 342..560, 5222..5479, 5229..5477		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o3.tc	Method	TBLASTX:Cress
Start	340	End	5479
GI	none	Score	127
Exons	340..504, 345..488, 499..573, 501..560, 628..864, 633..848, 916..951, 4808..4906, 4949..5161, 4950..5168, 5216..5320, 5315..5479, 5331..5474		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o2.ts	Method	TBLASTX:Soybean
Start	441	End	5378
GI	none	Score	162
Exons	441..563, 445..573, 619..831, 642..830, 4988..5161, 5004..5171, 5216..5374, 5247..5378		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o4.tm	Method	TBLASTX:Maize
Start	614	End	5197
GI	none	Score	39
Exons	614..634, 618..845, 619..864, 916..951, 4862..4924, 4919..5161, 4920..5171, 5051..5197, 5140..5196		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o7.tm	Method	TBLASTX:Maize
Start	1202	End	1507
GI	none	Score	231
Exons	1202..1507, 1207..1497		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o8.tm	Method	TBLASTX:Maize
Start	1594	End	1834

GI	none	Score	193
Exons	1594..1833, 1595..1834		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o6.tm	Method	TBLASTX:Maize
Start	1838	End	4500
GI	none	Score	255
Exons	1838..2170, 1957..2115, 4354..4500		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o3.tw	Method	TBLASTX:Wheat
Start	1916	End	4500
GI	none	Score	76
Exons	1916..2065, 4060..4200, 4297..4500		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o3.ts	Method	TBLASTX:Soybean
Start	5803	End	6211
GI	none	Score	171
Exons	5803..5901, 5914..6090, 5915..6076, 6106..6210, 6116..6211		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o2.tc	Method	TBLASTX:Cress
Start	5923	End	6387
GI	none	Score	84
Exons	5923..6093, 5939..6070, 6109..6387		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o2.tm	Method	TBLASTX:Maize
Start	5935	End	6394
GI	none	Score	190
Exons	5935..6102, 5942..6094, 6109..6393, 6110..6394		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o5.ts	Method	TBLASTX:Soybean
Start	6217	End	6393
GI	none	Score	130
Exons	6217..6393, 6221..6391		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o1.tc	Method	TBLASTX:Cress
Start	14141	End	29924
GI	none	Score	162

Exons	14141..14296, 14182..14286, 14369..14386, 20029..20262, 20040..20249, 20269..20667, 20271..20600, 20603..20824, 20604..20834, 20835..21002, 20839..21009, 24235..24327, 24400..24657, 26049..26153, 26050..26169, 26176..26211, 26178..26210, 26217..26288, 26285..26452, 26314..26457, 26446..26556, 26447..26602, 26611..26919, 26658..26909, 28632..28883, 28673..28828, 28890..28982, 28983..29174, 28997..29161, 29181..29924, 29183..29251, 29321..29713, 29771..29923		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o1.ts	Method	TBLASTX:Soybean
Start	14141	End	29924
GI	none	Score	169
Exons	14141..14296, 14182..14295, 14369..14386, 20022..20249, 20023..20262, 20268..20387, 20269..20601, 20439..20600, 20604..20834, 20606..20824, 20835..20954, 20839..21009, 24235..24327, 24400..24657, 24402..24719, 26049..26150, 26050..26169, 26176..26211, 26217..26288, 26285..26452, 26305..26451, 26444..26602, 26446..26556, 26611..26919, 26613..26909, 28632..28883, 28673..28810, 28890..28982, 28928..28975, 28971..29174, 28997..29155, 29180..29251, 29181..29924, 29315..29710, 29765..29923		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o1.tm	Method	TBLASTX:Maize
Start	14144	End	29924
GI	none	Score	161
Exons	14144..14296, 14182..14295, 14369..14386, 20022..20600, 20023..20667, 20603..20827, 20604..20834, 20835..20936, 20839..21009, 24238..24327, 24312..24338, 24400..24495, 24514..24741, 24558..24719, 26049..26210, 26050..26211, 26189..26296, 26217..26282, 26290..26451, 26291..26449, 26351..26452, 26449..26553, 26459..26602, 26611..26919, 26655..26975, 28632..28826, 28673..28825, 28893..28982, 28898..28972, 28971..29924, 29006..29713, 29771..29923		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o3.gp	Method	AAT/GAP
Start	15436	End	15819
GI	2311431	Score	728
Exons	15436..15819		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9870	Strand	-
Start	15436	End	29936
Name	OJ990722_06.9907.C7.o2.tw	Method	TBLASTX:Wheat
Start	20853	End	29936
GI	none	Score	190
Exons	20853..20996, 20854..21027, 26754..26903, 26755..26943, 29763..29936		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9871	Strand	
Start	32635	End	35687
Name	OJ990722_06.9907.C7.o1.tw	Method	TBLASTX:Wheat
Start	32635	End	35519
GI	none	Score	43
Exons	32635..32670, 32636..32668, 32770..32877, 32770..32874, 32772..32879, 32772..32876, 33056..33184, 33071..33172, 33294..33359, 33294..33365, 33296..33361, 33296..33367, 35291..35395, 35292..35396, 35481..35519, 35483..35518		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9871	Strand	
Start	32635	End	35687
Name	OJ990722_06.9907.C7.o5.tm	Method	TBLASTX:Maize
Start	32638	End	35687
GI	none	Score	53
Exons	32638..32670, 32638..32673, 32770..32877, 32772..32876, 33056..33184, 33068..33184, 33069..33194, 33294..33359, 33294..33359, 33296..33361, 33296..33364, 35291..35395, 35292..35396, 35307..35396, 35481..35579, 35483..35578, 35625..35687		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9871	Strand	
Start	32635	End	35687
Name	OJ990722_06.9907.C7.o4.ts	Method	TBLASTX:Soybean
Start	32755	End	35579
GI	none	Score	110
Exons	32755..32850, 32776..32850, 32829..32876, 32833..32877, 33056..33184, 33068..33175, 33124..33183, 33294..33359, 33296..33364, 35291..35395, 35292..35396, 35307..35417, 35481..35579, 35483..35578		

Seq. No.	4737	Seq. ID	OJ990722_06.9907.C7
Gene No.	9871	Strand	
Start	32635	End	35687
Name	OJ990722_06.9907.C7.o4.tc	Method	TBLASTX:Cress
Start	33119	End	35579
GI	none	Score	89
Exons	33119..33184, 33133..33180, 33294..33359, 33296..33364, 35291..35395, 35292..35396, 35481..35579, 35483..35575		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9872	Strand	+
Start	1	End	3649
Name	OJ990722_06.9907.C8.o1.gp	Method	AAT/GAP
Start	1	End	1221
GI	911_1.R1084	Score	868
Exons	1..97, 298..442, 886..1050, 1147..1221		
GI Descrip.	'5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]'		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9872	Strand	+
Start	1	End	3649

Name	OJ990722_06.9907.C8.o1.np	Method	AAT/NAP
Start	1	End	3398
GI	280401	Score	2174
Exons	1..97, 298..442, 886..1050, 1147..1385, 1472..1504, 1813..1894, 2019..2179, 2341..2526, 2619..2801, 2888..3066, 3305..3398		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) - curled-leaved tobacco gi|170206 (M27888) H+-translocating ATPase [Nicotiana plumbaginifolia]		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9872	Strand	+
Start	1	End	3649
Name	OJ990722_06.9907.C8.o1.gs	Method	GENSCAN
Start	298	End	3401
GI	none	Score	.93
Exons	298..442, 886..1050, 1147..1385, 1813..1894, 2019..2179, 2341..2526, 2619..2801, 2888..3066, 3305..3401		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9872	Strand	+
Start	1	End	3649
Name	OJ990722_06.9907.C8.o2.gp	Method	AAT/GAP
Start	1305	End	2655
GI	5752_1.R1084	Score	1169
Exons	1305..1385, 1472..1504, 1813..1894, 2019..2179, 2341..2655		
GI Descrip.	'633110/dbj|BAA06629| 4.0e-85 (D31843) plasma membrane H+-ATPase [Oryza sativa]'		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9872	Strand	+
Start	1	End	3649
Name	OJ990722_06.9907.C8.o3.gp	Method	AAT/GAP
Start	2712	End	3649
GI	4929_1.R1084	Score	1108
Exons	2712..2801, 2888..3066, 3305..3649		
GI Descrip.	'218179/dbj|BAA01058| 2.0e-47 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9873	Strand	+
Start	4455	End	8451
Name	OJ990722_06.9907.C8.o2.gs	Method	GENSCAN
Start	4455	End	8451
GI	none	Score	.77
Exons	4455..4730, 5415..5549, 6209..6280, 6346..6445, 7041..7123, 7608..7706, 8007..8129, 8350..8451		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9873	Strand	+
Start	4455	End	8451
Name	OJ990722_06.9907.C8.o2.np	Method	AAT/NAP
Start	4608	End	8397
GI	1208454	Score	433
Exons	4608..4730, 4849..4908, 5004..5117, 5245..5325, 5415..5549, 5641..5779, 6327..6654, 7777..7868, 7955..8011, 8088..8129, 8350..8397		
GI Descrip.	(D64004) hypothetical protein [Synechocystis sp.]		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	3426
GI	none	Score	146
Exons	1..93, 2..97, 2..97, 25..99, 247..441, 278..442, 297..443, 297..446, 298..444, 865..900, 882..1049, 883..999, 884..1048, 1133..1384, 1134..1388, 1464..1499, 1465..1500, 1811..1897, 1812..1895, 1812..1898, 1813..1941, 2017..2226, 2018..2227, 2018..2230, 2335..2490, 2339..2494, 2342..2524, 2352..2525, 2454..2525, 2618..2800, 2618..2800, 2619..2804, 2885..3097, 2887..2994, 2937..3020, 2957..3037, 3283..3408, 3302..3409, 3302..3409, 3303..3425, 3304..3426		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o5.tc	Method	TBLASTX:Cress
Start	1	End	3410
GI	none	Score	99
Exons	1..90, 2..100, 244..444, 296..445, 297..440, 297..446, 301..444, 3302..3403, 3303..3410		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	3431
GI	none	Score	99
Exons	2..97, 283..438, 296..439, 297..440, 297..446, 298..444, 882..1049, 884..1048, 1117..1224, 1133..1384, 1134..1460, 1472..1510, 1816..1941, 2017..2184, 2018..2176, 2018..2194, 2020..2193, 2392..2490, 2411..2527, 2412..2528, 2454..2528, 2619..2801, 2621..2800, 2887..2979, 2887..2982, 2891..2983, 3302..3394, 3302..3397, 3303..3431		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o1.tw	Method	TBLASTX:Wheat
Start	35	End	2651
GI	none	Score	80
Exons	35..97, 279..464, 295..498, 297..443, 298..444, 882..1049, 884..1048, 1116..1382, 1133..1384, 1134..1388, 1285..1401, 1466..1507, 1471..1512, 1812..1895, 1812..1898, 1813..1941, 2017..2175, 2018..2176, 2018..2176, 2020..2193, 2368..2490, 2400..2528, 2619..2651		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o1.tc	Method	TBLASTX:Cress
Start	887	End	2146
GI	none	Score	234
Exons	887..1048, 888..1049, 1119..1388, 1133..1390, 1134..1421,		

1476..1502, 1809..1895, 1812..1898, 1816..1938, 2017..2145, 2018..2146, 2018..2146

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o2.tc	Method	TBLASTX:Cress
Start	2386	End	2950
GI	none	Score	129
Exons	2386..2490, 2412..2528, 2457..2528, 2619..2804, 2621..2803, 2885..2950, 2890..2949		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o2.tw	Method	TBLASTX:Wheat
Start	2655	End	2983
GI	none	Score	203
Exons	2655..2801, 2664..2798, 2887..2976, 2887..2982, 2891..2983		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o4.tm	Method	TBLASTX:Maize
Start	4452	End	5504
GI	none	Score	38
Exons	4452..4520, 4584..4733, 4604..4732, 4658..4741, 4848..4904, 4849..4908, 5002..5049, 5004..5054, 5027..5116, 5028..5117, 5233..5331, 5244..5330, 5256..5336, 5394..5504, 5402..5500		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o4.gp	Method	AAT/GAP
Start	8807	End	9230
GI	3768927	Score	775
Exons	8807..9230		
GI Descrip.	5882748/gb|AAD55301.1|AC008263_32 4.0e-12 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o3.ts	Method	TBLASTX:Soybean
Start	8866	End	9366
GI	none	Score	202
Exons	8866..8886, 9015..9287, 9019..9291, 9037..9297, 9276..9365, 9289..9366		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o4.tc	Method	TBLASTX:Cress
Start	8988	End	9242
GI	none	Score	168
Exons	8988..9242, 9019..9234		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o3.gs	Method	GENSCAN
Start	9015	End	11593
GI	none	Score	.82
Exons	9015..10532, 10775..11593		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o5.tm	Method	TBLASTX:Maize
Start	9015	End	9147
GI	none	Score	153
Exons	9015..9146, 9019..9147		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o3.np	Method	AAT/NAP
Start	9018	End	11593
GI	5882748	Score	2211
Exons	9018..11593		
GI Descrip.	(AC008263) Contains 2 PF|01535 DUF domains. [Arabidopsis thaliana]		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o3.tm	Method	TBLASTX:Maize
Start	9307	End	9663
GI	none	Score	448
Exons	9307..9663, 9309..9659		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o4.ts	Method	TBLASTX:Soybean
Start	9369	End	9638
GI	none	Score	133
Exons	9369..9539, 9369..9548, 9555..9611, 9615..9638		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o5.gp	Method	AAT/GAP
Start	9378	End	9784
GI	4969137	Score	783
Exons	9378..9784		
GI Descrip.	5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o2.ts	Method	TBLASTX:Soybean
Start	9639	End	10493

GI	none	Score	206
Exons	9639..9863, 9687..9887, 9688..9885, 9889..10077, 9891..10079, 9915..10286, 9999..10394, 10104..10493, 10186..10392		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o3.tc	Method	TBLASTX:Cress
Start	9687	End	10599
GI	none	Score	72
Exons	9687..9794, 9885..9989, 9996..10199, 9996..10220, 10098..10223, 10203..10388, 10308..10598, 10311..10505, 10312..10599		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o1.tm	Method	TBLASTX:Maize
Start	9915	End	10700
GI	none	Score	552
Exons	9915..10208, 10038..10313, 10125..10388, 10223..10693, 10224..10700, 10225..10695		

Seq. No.	4738	Seq. ID	OJ990722_06.9907.C8
Gene No.	9874	Strand	-
Start	8807	End	11593
Name	OJ990722_06.9907.C8.o5.ts	Method	TBLASTX:Soybean
Start	10494	End	10647
GI	none	Score	97
Exons	10494..10646, 10498..10647		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9875	Strand	+
Start	177	End	237
Name	OJ990722_06.9907.C9.o1.gp	Method	AAT/GAP
Start	177	End	237
GI	2312838	Score	66
Exons	177..237		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9876	Strand	+
Start	2002	End	2078
Name	OJ990722_06.9907.C9.o1.np	Method	AAT/NAP
Start	2002	End	2078
GI	6630699	Score	98
Exons	2002..2078		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9877	Strand	+
Start	2087	End	7746
Name	OJ990722_06.9907.C9.o1.gs	Method	GENSCAN
Start	2087	End	7746
GI	none	Score	.6

Exons	2087..2132, 2261..2415, 2583..2691, 3387..3991, 5555..6678, 7131..7239, 7588..7746		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9877	Strand	+
Start	2087	End	7746
Name	OJ990722_06.9907.C9.o2.np	Method	AAT/NAP
Start	2206	End	3947
GI	6539570	Score	174
Exons	2206..2409, 2583..2656, 3572..3947		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9877	Strand	+
Start	2087	End	7746
Name	OJ990722_06.9907.C9.o3.np	Method	AAT/NAP
Start	3551	End	6691
GI	5882744	Score	1234
Exons	3551..3991, 5555..6691		
GI Descrip.	(AC008263) Strong similarity to gb|AF031243 nodule-specific protein (Nlj70) from Lotus japonicus and is a member of the PF|00083 Sugar (and other) transporter family. EST gb|Z37715 comes from this gene. [Arabidopsi...		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9878	Strand	+
Start	8158	End	8708
Name	OJ990722_06.9907.C9.o2.gs	Method	GENSCAN
Start	8158	End	8708
GI	none	Score	.85
Exons	8158..8244, 8682..8708		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9879	Strand	-
Start	1994	End	2420
Name	OJ990722_06.9907.C9.o2.gp	Method	AAT/GAP
Start	1994	End	2420
GI	LIB3479-006-Q6-K1-B11	Score	603
Exons	1994..2420		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o1.ts	Method	TBLASTX:Soybean
Start	3599	End	6667
GI	none	Score	91
Exons	3599..3736, 6023..6154, 6038..6154, 6164..6532, 6539..6667		
Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o1.tc	Method	TBLASTX:Cress
Start	5978	End	6646
GI	none	Score	124
Exons	5978..6157, 6043..6153, 6170..6538, 6172..6537, 6530..6646		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o1.tm	Method	TBLASTX:Maize
Start	6035	End	6658
GI	none	Score	113
Exons	6035..6154, 6040..6105, 6160..6237, 6161..6547, 6163..6237, 6347..6523, 6352..6528, 6357..6554, 6551..6658		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o4.np	Method	AAT/NAP
Start	8984	End	9235
GI	4835245	Score	120
Exons	8984..9235		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o2.tm	Method	TBLASTX:Maize
Start	9031	End	9235
GI	none	Score	168
Exons	9031..9051, 9055..9231, 9077..9232, 9083..9235		

Seq. No.	4739	Seq. ID	OJ990722_06.9907.C9
Gene No.	9880	Strand	-
Start	8984	End	9235
Name	OJ990722_06.9907.C9.o2.ts	Method	TBLASTX:Soybean
Start	9073	End	9232
GI	none	Score	141
Exons	9073..9231, 9080..9232		

Seq. No.	4740	Seq. ID	OJ990722_06.9907.C10
Gene No.	9881	Strand	-
Start	10	End	339
Name	OJ990722_06.9907.C10.o1.gs	Method	GENSCAN
Start	10	End	339
GI	none	Score	.47
Exons	10..339		

Seq. No.	4740	Seq. ID	OJ990722_06.9907.C10
Gene No.	9882	Strand	-
Start	813	End	944
Name	OJ990722_06.9907.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	225
GI	none	Score	102
Exons	1..120, 1..225, 119..223		

Seq. No.	4740	Seq. ID	OJ990722_06.9907.C10
Gene No.	9882	Strand	-
Start	813	End	944
Name	OJ990722_06.9907.C10.o2.gs	Method	GENSCAN
Start	813	End	944
GI	none	Score	.98

Exons	813..944		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9883	Strand	+
Start	1395	End	1556
Name	OJ990722_06.9907.C11.o2.gs	Method	GENSCAN
Start	1395	End	1556
GI	none	Score	1
Exons	1395..1556		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o1.np	Method	AAT/NAP
Start	2997	End	5058
GI	4335731	Score	1100
Exons	2997..3663, 3754..4779, 4810..5058		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o3.gs	Method	GENSCAN
Start	3006	End	5048
GI	none	Score	.72
Exons	3006..3314, 3426..5048		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o1.tc	Method	TBLASTX:Cress
Start	3096	End	3464
GI	none	Score	254
Exons	3096..3464		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o3.ts	Method	TBLASTX:Soybean
Start	3183	End	4130
GI	none	Score	240
Exons	3183..3587, 4002..4130		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o2.ts	Method	TBLASTX:Soybean
Start	4425	End	4757
GI	none	Score	255
Exons	4425..4757, 4457..4747, 4521..4598		
Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o1.tm	Method	TBLASTX:Maize
Start	4518	End	5042

GI	none	Score	355
Exons	4518..5042, 4571..4723, 4778..4984		

Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o1.tw	Method	TBLASTX:Wheat
Start	4560	End	5030
GI	none	Score	368
Exons	4560..5030, 4625..4999, 4692..5009		

Seq. No.	4741	Seq. ID	OJ990722_06.9907.C11
Gene No.	9884	Strand	+
Start	3006	End	5058
Name	OJ990722_06.9907.C11.o1.ts	Method	TBLASTX:Soybean
Start	4794	End	5045
GI	none	Score	301
Exons	4794..5045, 4796..4993, 4824..5045		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1136
GI	6539553	Score	1915
Exons	1..1136		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.gs	Method	GENSCAN
Start	12	End	888
GI	none	Score	.85
Exons	12..888		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	24	End	263
GI	none	Score	84
Exons	24..242, 24..263		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	24	End	374
GI	5509260	Score	48
Exons	24..374, 61..156, 205..273		
GI Descrip.	-		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2

Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	30	End	281
GI	none	Score	62
Exons	30..281, 202..279		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	60	End	369
GI	none	Score	56
Exons	60..368, 61..156, 205..369		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	294	End	1049
GI	none	Score	200
Exons	294..533, 295..453, 311..541, 314..511, 562..1041, 585..1049		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	675	End	1064
GI	none	Score	103
Exons	675..869, 882..1064		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	699	End	1097
GI	none	Score	38
Exons	699..872, 826..864, 873..1097, 918..1088, 919..1089		

Seq. No.	4742	Seq. ID	OJ990222_05.9922.C2
Gene No.	9885	Strand	-
Start	1	End	1136
Name	OJ990222_05.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	699	End	1130
GI	none	Score	67
Exons	699..866, 885..1130, 909..1064, 955..1128		

Seq. No.	4743	Seq. ID	OJ990222_05.9922.C3
Gene No.	9886	Strand	-
Start	1	End	1395
Name	OJ990222_05.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	1389
GI	6539553	Score	2425
Exons	1..1389		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	4743	Seq. ID	OJ990222_05.9922.C3
Gene No.	9886	Strand	-
Start	1	End	1395
Name	OJ990222_05.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	126	End	448
GI	none	Score	395
Exons	126..293, 127..441, 128..421, 194..448		

Seq. No.	4743	Seq. ID	OJ990222_05.9922.C3
Gene No.	9886	Strand	-
Start	1	End	1395
Name	OJ990222_05.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	947	End	1260
GI	none	Score	286
Exons	947..1252, 949..1260		

Seq. No.	4743	Seq. ID	OJ990222_05.9922.C3
Gene No.	9886	Strand	-
Start	1	End	1395
Name	OJ990222_05.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1009	End	1395
GI	none	Score	247
Exons	1009..1395, 1010..1384		

Seq. No.	4744	Seq. ID	OJ990222_05.9922.C4
Gene No.	9887	Strand	-
Start	889	End	1601
Name	OJ990222_05.9922.C4.o1.gs	Method	GENSCAN
Start	889	End	1601
GI	none	Score	.82
Exons	889..1300, 1378..1601		

Seq. No.	4744	Seq. ID	OJ990222_05.9922.C4
Gene No.	9888	Strand	-
Start	7060	End	9794
Name	OJ990222_05.9922.C4.o1.np	Method	AAT/NAP
Start	7060	End	9794
GI	4337178	Score	127
Exons	7060..7078, 8311..8446, 9699..9794		
GI Descrip.	(AC006416) T31J12.5 [Arabidopsis thaliana]		

Seq. No.	4744	Seq. ID	OJ990222_05.9922.C4
Gene No.	9888	Strand	-
Start	7060	End	9794
Name	OJ990222_05.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	8319	End	8447
GI	none	Score	189
Exons	8319..8366, 8320..8445, 8321..8446, 8322..8447		

Seq. No.	4745	Seq. ID	OJ990222_05.9922.C9
Gene No.	9889	Strand	-
Start	1	End	1206
Name	OJ990222_05.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	5734621	Score	116

Exons	1..161, 525..629, 1162..1206		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.;. Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	4745	Seq. ID	OJ990222_05.9922.C9
Gene No.	9889	Strand	-
Start	1	End	1206
Name	OJ990222_05.9922.C9.o1.gs	Method	GENSCAN
Start	143	End	684
GI	none	Score	.44
Exons	143..414, 544..684		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9890	Strand	+
Start	1638	End	5285
Name	OJ990222_05.9922.C10.o1.np	Method	AAT/NAP
Start	1638	End	5204
GI	5579092	Score	427
Exons	1638..1699, 3625..4011, 4932..5204		
GI Descrip.	(AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9890	Strand	+
Start	1638	End	5285
Name	OJ990222_05.9922.C10.o1.gs	Method	GENSCAN
Start	3621	End	5219
GI	none	Score	.83
Exons	3621..4011, 4932..5219		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9890	Strand	+
Start	1638	End	5285
Name	OJ990222_05.9922.C10.o1.gp	Method	AAT/GAP
Start	4906	End	5285
GI	LIB3432-037-P1-K1-D3	Score	715
Exons	4906..5285		
GI Descrip.	'5579092/gb|AAD45424.1| 5.0e-20 (AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]'		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9891	Strand	+
Start	6459	End	6925
Name	OJ990222_05.9922.C10.o2.gp	Method	AAT/GAP
Start	6459	End	6925
GI	none	Score	910
Exons	6459..6925		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	3625	End	5162
GI	none	Score	83
Exons	3625..3780, 3841..3927, 3843..3926, 3979..4014, 4926..5162		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10

Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	3628	End	4014
GI	none	Score	104
Exons	3628..3783, 3837..3908, 3844..3927, 3844..3921, 3961..4011, 3979..4014		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	4926	End	5162
GI	none	Score	192
Exons	4926..5162		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.gs	Method	GENSCAN
Start	5509	End	8939
GI	none	Score	.56
Exons	5509..5517, 5776..6091, 6946..7229, 7320..7368, 7731..8224, 8478..8689, 8774..8939		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	6554	End	8607
GI	none	Score	46
Exons	6554..6583, 6682..6720, 6687..6716, 6690..6722, 6717..6743, 6718..6759, 6719..6748, 6728..6808, 6733..6810, 6741..6827, 6766..6810, 6907..7233, 6916..7230, 6918..7232, 7267..7386, 7320..7370, 7322..7387, 7659..8222, 7730..8227, 7731..8225, 7733..8227, 7735..8241, 8476..8589, 8478..8606, 8478..8606, 8482..8607		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.np	Method	AAT/NAP
Start	6912	End	9260
GI	4200165	Score	1688
Exons	6912..7229, 7320..7368, 7731..8224, 8478..8689, 8774..8944, 9223..9260		
GI Descrip.	(Y16262) neutral invertase [Daucus carota]		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o3.tc	Method	TBLASTX:Cress
Start	6912	End	7185
GI	none	Score	150
Exons	6912..6953, 6927..7184, 6964..7140, 6970..7185, 7050..7157		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10

Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	6927	End	7841
GI	none	Score	223
Exons	6927..7232, 6928..7239, 7320..7370, 7321..7377, 7730..7840, 7731..7841		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o3.gp	Method	AAT/GAP
Start	6931	End	8060
GI	14154_1.R1084	Score	1281
Exons	6931..7229, 7320..7368, 7731..8060		
GI Descrip.	'4200165/emb|CAA76145| 1.0e-106 (Y16262) neutral invertase [Daucus carota]'		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	7188	End	8065
GI	none	Score	64
Exons	7188..7232, 7189..7239, 7320..7364, 7320..7370, 7321..7371, 7719..7832, 7730..7843, 7730..8065, 7731..8060, 7895..8065		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	7842	End	8513
GI	none	Score	248
Exons	7842..8228, 7847..8227, 8478..8513		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	7976	End	8227
GI	none	Score	76
Exons	7976..8227, 7977..8099		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	8114	End	8963
GI	none	Score	120
Exons	8114..8227, 8478..8690, 8478..8693, 8482..8691, 8772..8963, 8772..8942, 8791..8955		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	8482	End	8928

GI	none	Score	150
Exons	8482..8691, 8484..8693, 8772..8861, 8773..8805, 8874..8924, 8878..8928		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	8514	End	8940
GI	none	Score	129
Exons	8514..8534, 8532..8561, 8560..8691, 8562..8693, 8579..8704, 8772..8936, 8772..8939, 8773..8940		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	8607	End	8942
GI	none	Score	67
Exons	8607..8693, 8608..8691, 8609..8701, 8772..8942, 8773..8940		

Seq. No.	4746	Seq. ID	OJ990222_05.9922.C10
Gene No.	9892	Strand	-
Start	5509	End	9260
Name	OJ990222_05.9922.C10.o4.gp	Method	AAT/GAP
Start	8637	End	8942
GI	LIB3431-060-P1-K1-C7	Score	400
Exons	8637..8689, 8774..8942		
GI Descrip.	'4200165/emb|CAA76145| 5.0e-58 (Y16262) neutral invertase [Daucus carota]'		

Seq. No.	4747	Seq. ID	OJ990222_05.9922.C11
Gene No.	9893	Strand	+
Start	269	End	394
Name	OJ990222_05.9922.C11.o1.gs	Method	GENSCAN
Start	269	End	394
GI	none	Score	.51
Exons	269..394		

Seq. No.	4747	Seq. ID	OJ990222_05.9922.C11
Gene No.	9894	Strand	-
Start	1	End	131
Name	OJ990222_05.9922.C11.o1.gp	Method	AAT/GAP
Start	1	End	131
GI	none	Score	254
Exons	1..131		

Seq. No.	4747	Seq. ID	OJ990222_05.9922.C11
Gene No.	9895	Strand	-
Start	984	End	1427
Name	OJ990222_05.9922.C11.o2.gs	Method	GENSCAN
Start	984	End	1427
GI	none	Score	.48
Exons	984..1109, 1353..1427		

Seq. No.	4748	Seq. ID	OJ990222_05.9922.C13
Gene No.	9896	Strand	-

Start	148	End	948
Name	OJ990222_05.9922.C13.o1.gs	Method	GENSCAN
Start	148	End	862
GI	none	Score	.43
Exons	148..862		

Seq. No.	4748	Seq. ID	OJ990222_05.9922.C13
Gene No.	9896	Strand	-
Start	148	End	948
Name	OJ990222_05.9922.C13:o1.np	Method	AAT/NAP
Start	151	End	948
GI	6539553	Score	1350
Exons	151..948		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4748	Seq. ID	OJ990222_05.9922.C13
Gene No.	9896	Strand	-
Start	148	End	948
Name	OJ990222_05.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	287	End	763
GI	none	Score	351
Exons	287..673, 325..672, 688..762, 690..761, 692..763		

Seq. No.	4748	Seq. ID	OJ990222_05.9922.C13
Gene No.	9896	Strand	-
Start	148	End	948
Name	OJ990222_05.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	400	End	774
GI	none	Score	39
Exons	400..624, 491..625, 643..774, 664..774		

Seq. No.	4748	Seq. ID	OJ990222_05.9922.C13
Gene No.	9896	Strand	-
Start	148	End	948
Name	OJ990222_05.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	619	End	943
GI	none	Score	201
Exons	619..942, 620..943		

Seq. No.	4749	Seq. ID	OJ990222_05.9922.C14
Gene No.	9897	Strand	+
Start	437	End	943
Name	OJ990222_05.9922.C14.o1.gs	Method	GENSCAN
Start	437	End	943
GI	none	Score	.48
Exons	437..608, 650..760, 905..943		

Seq. No.	4749	Seq. ID	OJ990222_05.9922.C14
Gene No.	9898	Strand	+
Start	2052	End	2964
Name	OJ990222_05.9922.C14.o2.np	Method	AAT/NAP
Start	2052	End	2964
GI	60100	Score	65
Exons	2052..2124, 2786..2875, 2903..2964		

GI Descrip. (Z11140) p24/p25/p7 [Human immunodeficiency virus type 1]

Seq. No.	4749	Seq. ID	OJ990222_05.9922.C14
Gene No.	9899	Strand	-
Start	1477	End	2304
Name	OJ990222_05.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	2304
GI	none	Score	170
Exons	1..201, 2..193, 1992..2138, 2012..2134, 2129..2296, 2131..2304, 2139..2303, 2143..2304		

Seq. No.	4749	Seq. ID	OJ990222_05.9922.C14
Gene No.	9899	Strand	-
Start	1477	End	2304
Name	OJ990222_05.9922.C14.o2.gs	Method	GENSCAN
Start	1477	End	1898
GI	none	Score	.7
Exons	1477..1507, 1513..1678, 1723..1898		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	1448
GI	4309765	Score	554
Exons	1..1309, 1410..1448		

GI Descrip. (AC006217) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	103	End	558
GI	none	Score	87
Exons	103..162, 104..175, 208..294, 209..301, 297..437, 304..441, 320..442, 469..558, 478..558		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o1.gs	Method	GENSCAN
Start	116	End	1378
GI	none	Score	.67
Exons	116..244, 562..874, 916..1051, 1147..1378		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	445	End	810
GI	none	Score	47
Exons	445..495, 478..810, 499..810		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448

Name	OJ990222_05.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	466	End	1063
GI	none	Score	275
Exons	466..852, 522..788, 685..807, 941..1063		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	559	End	1081
GI	none	Score	206
Exons	559..894, 597..740, 923..1081		

Seq. No.	4750	Seq. ID	OJ990222_05.9922.C15
Gene No.	9900	Strand	+
Start	1	End	1448
Name	OJ990222_05.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	646	End	1084
GI	none	Score	154
Exons	646..894, 648..770, 917..1084		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9901	Strand	+
Start	1	End	1213
Name	OJ990222_05.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	1931640	Score	208
Exons	1..54, 500..600, 822..927, 1070..1213		
GI Descrip.	(U95973) Serine carboxypeptidase isolog [Arabidopsis thaliana]		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	497	End	5118
GI	none	Score	98
Exons	497..598, 811..930, 819..914, 1070..1183, 1096..1170, 1765..1950, 1766..1873, 2016..2144, 2032..2193, 2449..2547, 2661..2759, 2993..3142, 3500..3556, 4157..4252, 4158..4253, 4355..4441, 4374..4442, 4555..4683, 4559..4684, 4939..4977, 4987..5118		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o4.tm	Method	TBLASTX:Maize
Start	500	End	2989
GI	none	Score	167
Exons	500..598, 500..598, 502..600, 2447..2512, 2449..2550, 2449..2550, 2655..2762, 2664..2762, 2665..2766, 2665..2769, 2909..2989		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o1.gs	Method	GENSCAN
Start	792	End	5925

GI	none	Score	.5
Exons	792..1025, 1801..1899, 2867..3142, 3467..3555, 4159..4251, 4348..4443, 4575..4682, 4941..5133, 5851..5925		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o2.tc	Method	TBLASTX:Cress
Start	811	End	2130
GI	none	Score	125
Exons	811..930, 1030..1191, 1070..1192, 1777..1899, 1817..1900, 2016..2129, 2032..2130		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	850	End	2096
GI	none	Score	129
Exons	850..930, 852..929, 1069..1191, 1070..1192, 1762..1899, 1763..1900, 1820..1900, 2005..2094, 2014..2091, 2016..2096		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o1.gp	Method	AAT/GAP
Start	1536	End	3100
GI	4736_1.R1084	Score	1741
Exons	1536..1899, 2019..2124, 2447..2542, 2632..2780, 2867..3100		
GI Descrip.	'2244867/emb|CAB10289.1| 4.0e-58 (Z97337) hydroxynitrile lyase like protein [Arabidopsis thaliana]'		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o2.np	Method	AAT/NAP
Start	1756	End	5100
GI	3738328	Score	849
Exons	1756..1899, 2019..2124, 2447..2542, 2632..2801, 2927..3142, 3467..3555, 4159..4251, 4348..4443, 4575..4682, 4941..5100		
GI Descrip.	(AC005170) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o3.tc	Method	TBLASTX:Cress
Start	2449	End	3148
GI	none	Score	60
Exons	2449..2505, 2661..2762, 2668..2778, 2927..3148		

Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	3044	End	4684
GI	none	Score	95

Exons	3044..3148, 3464..3556, 4157..4252, 4158..4262, 4355..4447, 4359..4445, 4360..4446, 4555..4683, 4625..4684		
Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	3473	End	4445
GI	none	Score	80
Exons	3473..3556, 3545..3613, 4157..4252, 4158..4238, 4165..4284, 4358..4441, 4386..4445		
Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o2.gp	Method	AAT/GAP
Start	4175	End	5333
GI	6579_1.R1084	Score	1168
Exons	4175..4251, 4348..4443, 4575..4682, 4941..5333		
GI Descrip.	'1931640 3.0e-45 (U95973) Serine carboxypeptidase isolog [Arabidopsis thaliana]'		
Seq. No.	4751	Seq. ID	OJ990222_05.9922.C16
Gene No.	9902	Strand	-
Start	792	End	5925
Name	OJ990222_05.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	4867	End	5118
GI	none	Score	155
Exons	4867..5103, 4890..5099, 4939..5118		
Seq. No.	4752	Seq. ID	OJ990222_05.9922.C17
Gene No.	9903	Strand	-
Start	1	End	408
Name	OJ990222_05.9922.C17.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	none	Score	676
Exons	1..371		
Seq. No.	4752	Seq. ID	OJ990222_05.9922.C17
Gene No.	9903	Strand	-
Start	1	End	408
Name	OJ990222_05.9922.C17.o1.gs	Method	GENSCAN
Start	105	End	408
GI	none	Score	.46
Exons	105..408		
Seq. No.	4753	Seq. ID	OJ990222_05.9922.C18
Gene No.	9904	Strand	+
Start	2073	End	2459
Name	OJ990222_05.9922.C18.o1.gp	Method	AAT/GAP
Start	2073	End	2459
GI	LIB3432-059-P1-K1-D8	Score	720
Exons	2073..2459		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	4754	Seq. ID	OJ990222_05.9922.C20

Gene No.	9905	Strand	-
Start	1386	End	1422
Name	OJ990222_05.9922.C20.o1.gs	Method	GENSCAN
Start	1386	End	1422
GI	none	Score	.85
Exons	1386..1422		

Seq. No.	4755	Seq. ID	OJ990222_05.9922.C24
Gene No.	9906	Strand	+
Start	4	End	216
Name	OJ990222_05.9922.C24.o1.gp	Method	AAT/GAP
Start	4	End	216
GI	LIB3431-060-P1-K1-C7	Score	328
Exons	4..216		
GI Descrip.	'4200165/emb|CAA76145| 5.0e-58 (Y16262) neutral invertase [Daucus carota]'		

Seq. No.	4755	Seq. ID	OJ990222_05.9922.C24
Gene No.	9906	Strand	+
Start	4	End	216
Name	OJ990222_05.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	18	End	216
GI	none	Score	305
Exons	18..212, 19..216, 25..216		

Seq. No.	4755	Seq. ID	OJ990222_05.9922.C24
Gene No.	9906	Strand	+
Start	4	End	216
Name	OJ990222_05.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	28	End	216
GI	none	Score	256
Exons	28..216, 33..77, 37..216		

Seq. No.	4755	Seq. ID	OJ990222_05.9922.C24
Gene No.	9906	Strand	+
Start	4	End	216
Name	OJ990222_05.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	33	End	215
GI	none	Score	246
Exons	33..215, 34..213		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9907	Strand	+
Start	1089	End	1826
Name	OJ990222_05.9922.C27.o1.gs	Method	GENSCAN
Start	1089	End	1826
GI	none	Score	.74
Exons	1089..1268, 1346..1598, 1711..1826		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9908	Strand	+
Start	4518	End	8833
Name	OJ990222_05.9922.C27.o2.gs	Method	GENSCAN
Start	4518	End	8833
GI	none	Score	.71
Exons	4518..4656, 5799..5824, 6411..6621, 6930..7025, 7115..7207, 7793..7974, 8338..8613, 8681..8833		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9909	Strand	-
Start	1	End	1997
Name	OJ990222_05.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	1997
GI	4680203	Score	131
Exons	1..36, 1794..1997		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o6.ts	Method	TBLASTX:Soybean
Start	1794	End	1994
GI	none	Score	188
Exons	1794..1994		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o7.tw	Method	TBLASTX:Wheat
Start	1794	End	2006
GI	none	Score	176
Exons	1794..2006		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o4.ts	Method	TBLASTX:Soybean
Start	6444	End	7941
GI	none	Score	141
Exons	6444..6575, 6476..6574, 6585..6674, 6700..6819, 6701..6817, 6931..7008, 6932..7015, 7113..7208, 7114..7212, 7120..7212, 7882..7941		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	6450	End	7170
GI	none	Score	135
Exons	6450..6575, 6473..6571, 6550..6627, 6585..6674, 6701..6820, 6712..6783, 6928..7008, 6932..7015, 7132..7170		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o4.tm	Method	TBLASTX:Maize
Start	6450	End	7212
GI	none	Score	189
Exons	6450..6623, 6450..6638, 6701..6817, 6712..6819, 6928..6975, 6932..7039, 7108..7212		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386

Name	OJ990222_05.9922.C27.o2.tc	Method	TBLASTX:Cress
Start	7108	End	8803
GI	none	Score	71
Exons	7108..7212, 7882..7989, 8332..8553, 8340..8552, 8698..8769, 8702..8803		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o6.tm	Method	TBLASTX:Maize
Start	8336	End	8581
GI	none	Score	66
Exons	8336..8431, 8337..8447, 8337..8558, 8338..8571, 8338..8559, 8474..8581		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o2.ts	Method	TBLASTX:Soybean
Start	8337	End	8830
GI	none	Score	295
Exons	8337..8570, 8338..8580, 8354..8593, 8693..8830		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o7.tm	Method	TBLASTX:Maize
Start	8966	End	9414
GI	none	Score	43
Exons	8966..9061, 9034..9291, 9075..9266, 9076..9414, 9077..9385		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	9076	End	14859
GI	none	Score	206
Exons	9076..9609, 9263..9562, 9456..9620, 9585..9689, 14773..14859		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o6.tw	Method	TBLASTX:Wheat
Start	9154	End	9573
GI	none	Score	133
Exons	9154..9339, 9358..9573		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o11.tm	Method	TBLASTX:Maize
Start	9418	End	14877
GI	none	Score	97
Exons	9418..9600, 9419..9574, 9571..9681, 9582..9689, 14773..14877		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-

Start	9883	End	15386
Name	OJ990222_05.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	9883	End	10647
GI	none	Score	42
Exons	9883..9909, 9887..9907, 9946..10227, 9970..10170, 10240..10647, 10256..10645, 10297..10647		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o3.gs	Method	GENSCAN
Start	9883	End	15225
GI	none	Score	.6
Exons	9883..11297, 11311..13969, 14102..14440, 14689..14936, 15081..15225		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o2.np	Method	AAT/NAP
Start	9888	End	13944
GI	6466937	Score	1804
Exons	9888..13944		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o4.tw	Method	TBLASTX:Wheat
Start	10228	End	10540
GI	none	Score	157
Exons	10228..10482, 10232..10540, 10241..10540		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o5.tw	Method	TBLASTX:Wheat
Start	10588	End	10761
GI	none	Score	92
Exons	10588..10758, 10604..10759, 10609..10761		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o9.tm	Method	TBLASTX:Maize
Start	10648	End	10953
GI	none	Score	157
Exons	10648..10788, 10649..10777, 10651..10782, 10789..10953, 10796..10876		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	10810	End	11205
GI	none	Score	77

Exons	10810..11205, 10811..10945, 10819..11073, 10988..11122		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o5.tm	Method	TBLASTX:Maize
Start	10963	End	11419
GI	none	Score	95
Exons	10963..11208, 11194..11283, 11282..11419, 11295..11417		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o5.ts	Method	TBLASTX:Soybean
Start	11417	End	11659
GI	none	Score	96
Exons	11417..11659, 11511..11657		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	11420	End	11938
GI	none	Score	339
Exons	11420..11938, 11436..11912		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o3.tw	Method	TBLASTX:Wheat
Start	11570	End	11968
GI	none	Score	146
Exons	11570..11968, 11604..11912		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o3.ts	Method	TBLASTX:Soybean
Start	11684	End	12043
GI	none	Score	113
Exons	11684..12043, 11685..11912, 11903..12025		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o3.tm	Method	TBLASTX:Maize
Start	11975	End	12442
GI	none	Score	282
Exons	11975..12442, 11979..12437		
Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	12020	End	12502
GI	none	Score	197
Exons	12020..12502, 12054..12494		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o8.tm	Method	TBLASTX:Maize
Start	12707	End	13342
GI	none	Score	42
Exons	12707..12802, 12884..13189, 13026..13148, 13229..13342, 13239..13310		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o10.tm	Method	TBLASTX:Maize
Start	13508	End	13912
GI	none	Score	69
Exons	13508..13771, 13677..13775, 13805..13912		

Seq. No.	4756	Seq. ID	OJ990222_05.9922.C27
Gene No.	9910	Strand	-
Start	9883	End	15386
Name	OJ990222_05.9922.C27.o3.np	Method	AAT/NAP
Start	14845	End	15386
GI	4249381	Score	134
Exons	14845..15386		
GI Descrip.	(AC005966) Strong similarity to gb|AF039376 Evelknievel retrotransposon polyprotein from Arabidopsis arenosa. [Arabidopsis thaliana]		

Seq. No.	4757	Seq. ID	OJ990222_05.9922.C28
Gene No.	9911	Strand	-
Start	8	End	652
Name	OJ990222_05.9922.C28.o1.gs	Method	GENSCAN
Start	8	End	526
GI	none	Score	.94
Exons	8..113, 396..526		

Seq. No.	4757	Seq. ID	OJ990222_05.9922.C28
Gene No.	9911	Strand	-
Start	8	End	652
Name	OJ990222_05.9922.C28.o1.np	Method	AAT/NAP
Start	131	End	652
GI	4587602	Score	278
Exons	131..652		
GI Descrip.	(AC006951) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4757	Seq. ID	OJ990222_05.9922.C28
Gene No.	9911	Strand	-
Start	8	End	652
Name	OJ990222_05.9922.C28.o1.ts	Method	TBLASTX:Soybean
Start	141	End	571
GI	5509260	Score	61
Exons	141..182, 222..296, 227..316, 332..571, 348..569		
GI Descrip.	-		

Seq. No.	4757	Seq. ID	OJ990222_05.9922.C28

Gene No.	9911	Strand	-
Start	8	End	652
Name	OJ990222_05.9922.C28.o1.tc	Method	TBLASTX:Cress
Start	236	End	460
GI	none	Score	53
Exons	236..313, 245..334, 332..460, 369..446		

Seq. No.	4757	Seq. ID	OJ990222_05.9922.C28
Gene No.	9911	Strand	-
Start	8	End	652
Name	OJ990222_05.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	275	End	550
GI	none	Score	96
Exons	275..313, 326..550, 335..550		

Seq. No.	4758	Seq. ID	OJ990222_05.9922.C29
Gene No.	9912	Strand	-
Start	1	End	1241
Name	OJ990222_05.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	1241
GI	421954	Score	559
Exons	1..584, 610..1241		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	4758	Seq. ID	OJ990222_05.9922.C29
Gene No.	9912	Strand	-
Start	1	End	1241
Name	OJ990222_05.9922.C29.o2.tm	Method	TBLASTX:Maize
Start	57	End	547
GI	none	Score	79
Exons	57..179, 217..513, 422..502, 524..547		

Seq. No.	4758	Seq. ID	OJ990222_05.9922.C29
Gene No.	9912	Strand	-
Start	1	End	1241
Name	OJ990222_05.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	90	End	513
GI	none	Score	67
Exons	90..185, 220..243, 265..513, 389..487		

Seq. No.	4758	Seq. ID	OJ990222_05.9922.C29
Gene No.	9912	Strand	-
Start	1	End	1241
Name	OJ990222_05.9922.C29.o1.ts	Method	TBLASTX:Soybean
Start	90	End	513
GI	none	Score	174
Exons	90..185, 217..513		

Seq. No.	4758	Seq. ID	OJ990222_05.9922.C29
Gene No.	9912	Strand	-
Start	1	End	1241
Name	OJ990222_05.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	625	End	1079
GI	none	Score	64
Exons	625..705, 625..714, 742..864, 742..942, 890..925, 1008..1079		

Seq. No.	4759	Seq. ID	OJ990222_05.9922.C30
Gene No.	9913	Strand	+
Start	145	End	271
Name	OJ990222_05.9922.C30.o1.gs	Method	GENSCAN
Start	145	End	271
GI	none	Score	.41
Exons	145..271		

Seq. No.	4760	Seq. ID	OJ990222_05.9922.C32
Gene No.	9914	Strand	+
Start	1	End	545
Name	OJ990222_05.9922.C32.o1.np	Method	AAT/NAP
Start	1	End	545
GI	4680203	Score	158
Exons	1..156, 243..545		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4760	Seq. ID	OJ990222_05.9922.C32
Gene No.	9914	Strand	+
Start	1	End	545
Name	OJ990222_05.9922.C32.o1.gs	Method	GENSCAN
Start	37	End	273
GI	none	Score	.75
Exons	37..273		

Seq. No.	4760	Seq. ID	OJ990222_05.9922.C32
Gene No.	9914	Strand	+
Start	1	End	545
Name	OJ990222_05.9922.C32.o1.tw	Method	TBLASTX:Wheat
Start	222	End	434
GI	none	Score	176
Exons	222..434		

Seq. No.	4760	Seq. ID	OJ990222_05.9922.C32
Gene No.	9914	Strand	+
Start	1	End	545
Name	OJ990222_05.9922.C32.o1.ts	Method	TBLASTX:Soybean
Start	234	End	434
GI	none	Score	188
Exons	234..434, 236..340		

Seq. No.	4761	Seq. ID	OJ990222_05.9922.C33
Gene No.	9915	Strand	+
Start	1306	End	1601
Name	OJ990222_05.9922.C33.o1.gs	Method	GENSCAN
Start	1306	End	1601
GI	none	Score	.76
Exons	1306..1359, 1458..1601		

Seq. No.	4762	Seq. ID	OJ990222_05.9922.C34
Gene No.	9916	Strand	+
Start	501	End	798
Name	OJ990222_05.9922.C34.o1.gp	Method	AAT/GAP
Start	501	End	798
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	501..551, 751..798		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	4763	Seq. ID	OJ990222_05.9922.C35
Gene No.	9917	Strand	-
Start	414	End	817
Name	OJ990222_05.9922.C35.o1.gs	Method	GENSCAN
Start	414	End	817
GI	none	Score	.52
Exons	414..638, 671..817		

Seq. No.	4764	Seq. ID	OJ990222_05.9922.C36
Gene No.	9918	Strand	+
Start	204	End	437
Name	OJ990222_05.9922.C36.o1.np	Method	AAT/NAP
Start	204	End	437
GI	60100	Score	65
Exons	204..348, 376..437		
GI Descrip.	(Z11140) p24/p25/p7 [Human immunodeficiency virus type 1]		

Seq. No.	4765	Seq. ID	OJ990222_05.9922.C37
Gene No.	9919	Strand	+
Start	33	End	312
Name	OJ990222_05.9922.C37.o1.gp	Method	AAT/GAP
Start	33	End	312
GI	none	Score	507
Exons	33..312		

Seq. No.	4766	Seq. ID	OJ990222_05.9922.C38
Gene No.	9920	Strand	+
Start	1	End	103
Name	OJ990222_05.9922.C38.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	none	Score	176
Exons	1..103		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9921	Strand	+
Start	3013	End	3593
Name	OJ990312_08.9923.C2.o2.gs	Method	GENSCAN
Start	3013	End	3593
GI	none	Score	.62
Exons	3013..3042, 3285..3474, 3580..3593		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9922	Strand	-
Start	1	End	1132
Name	OJ990312_08.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	1132
GI	5091497	Score	730
Exons	1..106, 345..623, 676..1132		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9922	Strand	-
Start	1	End	1132

Name	OJ990312_08.9923.C2.o1.gs	Method	GENSCAN
Start	270	End	1112
GI	none	Score	.69
Exons	270..484, 689..1112		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9923	Strand	-
Start	4719	End	10389
Name	OJ990312_08.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	552	End	832
GI	none	Score	67
Exons	552..614, 553..648, 604..645, 654..782, 655..717, 716..832		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9923	Strand	-
Start	4719	End	10389
Name	OJ990312_08.9923.C2.o3.gs	Method	GENSCAN
Start	4719	End	10389
GI	none	Score	.7
Exons	4719..4841, 5104..5253, 6612..6717, 7211..7378, 7411..7651, 7905..7984, 8900..9304, 9705..9834, 9999..10389		

Seq. No.	4767	Seq. ID	OJ990312_08.9923.C2
Gene No.	9923	Strand	-
Start	4719	End	10389
Name	OJ990312_08.9923.C2.o2.np	Method	AAT/NAP
Start	5080	End	5253
GI	1928929	Score	74
Exons	5080..5253		
GI Descrip.	(U92071) minus dominance protein [Chlamydomonas reinhardtii]		

Seq. No.	4768	Seq. ID	OJ990312_08.9923.C3
Gene No.	9924	Strand	+
Start	191	End	542
Name	OJ990312_08.9923.C3.o1.gs	Method	GENSCAN
Start	191	End	542
GI	none	Score	.59
Exons	191..292, 327..542		

Seq. No.	4768	Seq. ID	OJ990312_08.9923.C3
Gene No.	9925	Strand	+
Start	1376	End	5543
Name	OJ990312_08.9923.C3.o1.np	Method	AAT/NAP
Start	1376	End	5188
GI	5911167	Score	350
Exons	1376..1407, 4653..4978, 5059..5188		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	4768	Seq. ID	OJ990312_08.9923.C3
Gene No.	9925	Strand	+
Start	1376	End	5543
Name	OJ990312_08.9923.C3.o2.gs	Method	GENSCAN
Start	2953	End	5543
GI	none	Score	.72
Exons	2953..3038, 3428..3531, 3611..3697, 3779..3844, 4292..4411, 5079..5364, 5456..5543		

Seq. No.	4768	Seq. ID	OJ990312_08.9923.C3
Gene No.	9925	Strand	+
Start	1376	End	5543
Name	OJ990312_08.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	4658	End	4966
GI	none	Score	317
Exons	4658..4966, 4667..4963		

Seq. No.	4768	Seq. ID	OJ990312_08.9923.C3
Gene No.	9925	Strand	+
Start	1376	End	5543
Name	OJ990312_08.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	4670	End	5143
GI	none	Score	207
Exons	4670..4945, 4705..4911, 5057..5143		

Seq. No.	4769	Seq. ID	OJ990312_08.9923.C4
Gene No.	9926	Strand	-
Start	1	End	3674
Name	OJ990312_08.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	3674
GI	4680204	Score	955
Exons	1..31, 1568..2206, 2277..3674		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4769	Seq. ID	OJ990312_08.9923.C4
Gene No.	9926	Strand	-
Start	1	End	3674
Name	OJ990312_08.9923.C4.o1.gs	Method	GENSCAN
Start	1463	End	3659
GI	none	Score	.73
Exons	1463..2153, 2329..3659		

Seq. No.	4769	Seq. ID	OJ990312_08.9923.C4
Gene No.	9926	Strand	-
Start	1	End	3674
Name	OJ990312_08.9923.C4.o2.tw	Method	TBLASTX:Wheat
Start	1994	End	2372
GI	none	Score	57
Exons	1994..2212, 2139..2210, 2274..2372		

Seq. No.	4769	Seq. ID	OJ990312_08.9923.C4
Gene No.	9926	Strand	-
Start	1	End	3674
Name	OJ990312_08.9923.C4.o1.tw	Method	TBLASTX:Wheat
Start	2652	End	2955
GI	none	Score	91
Exons	2652..2735, 2653..2733, 2793..2954, 2797..2955		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9927	Strand	+
Start	8418	End	12837
Name	OJ990312_08.9923.C5.o3.gs	Method	GENSCAN
Start	8418	End	12837
GI	none	Score	.45
Exons	8418..8449, 8686..8719, 8964..9129, 9762..9889, 10576..10791, 11038..11194, 11585..11949, 12232..12837		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9928	Strand	-
Start	556	End	7283
Name	OJ990312_08.9923.C5.o1.np	Method	AAT/NAP
Start	556	End	7283
GI	4680203	Score	3178
Exons	556..743, 4165..4947, 5224..5453, 5607..7283		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9928	Strand	-
Start	556	End	7283
Name	OJ990312_08.9923.C5.o1.gs	Method	GENSCAN
Start	571	End	4803
GI	none	Score	.57
Exons	571..740, 1565..1811, 1914..2446, 2667..2803, 3788..3897, 4292..4609, 4618..4803		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9928	Strand	-
Start	556	End	7283
Name	OJ990312_08.9923.C5.o1.gp	Method	AAT/GAP
Start	3904	End	4013
GI	uC-osflcyp088b12b1	Score	148
Exons	3904..4013		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9928	Strand	-
Start	556	End	7283
Name	OJ990312_08.9923.C5.o2.gs	Method	GENSCAN
Start	5452	End	7283
GI	none	Score	.92
Exons	5452..5889, 5904..7283		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	604	End	5352
GI	none	Score	41
Exons	604..702, 691..750, 4164..4193, 4166..4192, 4198..4284, 4199..4318, 4200..4346, 4325..4384, 4326..4418, 4391..4435, 4392..4436, 4415..4648, 4456..4578, 4470..4625, 4648..5139, 4648..5346, 4667..5350, 5161..5352, 5256..5351		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	4648	End	5059
GI	none	Score	151
Exons	4648..5049, 4648..5055, 4667..5059		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5

Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o4.tm	Method	TBLASTX:Maize
Start	4990	End	5371
GI	none	Score	149
Exons	4990..5304, 5018..5293, 5321..5371		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o3.tw	Method	TBLASTX:Wheat
Start	5353	End	5761
GI	none	Score	70
Exons	5353..5448, 5354..5434, 5443..5694, 5467..5685, 5695..5757, 5711..5761		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	5791	End	6018
GI	none	Score	201
Exons	5791..6018		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	5863	End	6324
GI	none	Score	103
Exons	5863..6018, 6066..6308, 6067..6324		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o2.tw	Method	TBLASTX:Wheat
Start	5901	End	6365
GI	none	Score	76
Exons	5901..5990, 5902..6018, 5913..6026, 5942..6016, 6019..6102, 6019..6105, 6021..6125, 6103..6192, 6105..6203, 6106..6198, 6207..6311, 6211..6312, 6309..6365, 6313..6357		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o2.tc	Method	TBLASTX:Cress
Start	6153	End	6495
GI	none	Score	80
Exons	6153..6494, 6157..6303, 6349..6402, 6442..6495		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	6234	End	6660
GI	none	Score	109
Exons	6234..6503, 6247..6480, 6531..6656, 6595..6660		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o4.tw	Method	TBLASTX:Wheat
Start	6573	End	6932
GI	none	Score	227
Exons	6573..6842, 6583..6834, 6584..6841, 6825..6932, 6839..6904		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o6.tw	Method	TBLASTX:Wheat
Start	10261	End	10668
GI	none	Score	275
Exons	10261..10560, 10316..10561, 10612..10668		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	11362	End	12273
GI	none	Score	431
Exons	11362..12135, 11521..11769, 11700..11783, 11830..11955, 12021..12134, 12151..12273		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o3.tm	Method	TBLASTX:Maize
Start	12274	End	12657
GI	none	Score	182
Exons	12274..12477, 12318..12476, 12472..12531, 12477..12530, 12541..12657, 12546..12656		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o5.tw	Method	TBLASTX:Wheat
Start	12306	End	12600
GI	none	Score	281
Exons	12306..12563, 12316..12600		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o5.tm	Method	TBLASTX:Maize
Start	12827	End	13216
GI	none	Score	64
Exons	12827..12889, 12887..13216, 12902..13156		

Seq. No.	4770	Seq. ID	OJ990312_08.9923.C5
Gene No.	9929	Strand	-
Start	19087	End	19266
Name	OJ990312_08.9923.C5.o3.np	Method	AAT/NAP
Start	19087	End	19266
GI	6815097	Score	94

Exons	19087..19266		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	4771	Seq. ID	OJ990312_08.9923.C6
Gene No.	9930	Strand	+
Start	235	End	365
Name	OJ990312_08.9923.C6.o1.gs	Method	GENSCAN
Start	235	End	365
GI	none	Score	.68
Exons	235..365		
Seq. No.	4771	Seq. ID	OJ990312_08.9923.C6
Gene No.	9931	Strand	+
Start	2286	End	2630
Name	OJ990312_08.9923.C6.o2.gs	Method	GENSCAN
Start	2286	End	2630
GI	none	Score	.61
Exons	2286..2630		
Seq. No.	4771	Seq. ID	OJ990312_08.9923.C6
Gene No.	9932	Strand	+
Start	3593	End	3877
Name	OJ990312_08.9923.C6.o3.gs	Method	GENSCAN
Start	3593	End	3877
GI	none	Score	.83
Exons	3593..3877		
Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9933	Strand	+
Start	1180	End	1821
Name	OJ990312_08.9923.C7.o1.gs	Method	GENSCAN
Start	1180	End	1821
GI	none	Score	.55
Exons	1180..1821		
Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9934	Strand	+
Start	15585	End	16490
Name	OJ990312_08.9923.C7.o4.gs	Method	GENSCAN
Start	15585	End	16490
GI	none	Score	.49
Exons	15585..15649, 15663..15757, 15896..16024, 16261..16490		
Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9935	Strand	-
Start	2612	End	4522
Name	OJ990312_08.9923.C7.o1.np	Method	AAT/NAP
Start	2612	End	4522
GI	4903016	Score	503
Exons	2612..2832, 3062..3102, 3681..3742, 4322..4522		
GI Descrip.	(AB027506) TSF [Arabidopsis thaliana] gi|5262160|emb|CAB45803.1| (AL080253) TFL1 like protein [Arabidopsis thaliana] gi|6117980|gb|AAF03937.1|AF152907_1 (AF152907) twin sister of FT [Arabidopsis thaliana]		
Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7

Gene No.	9936	Strand	-
Start	16755	End	17312
Name	OJ990312_08.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	2610	End	2834
GI	none	Score	168
Exons	2610..2834, 2612..2833		

Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9936	Strand	-
Start	16755	End	17312
Name	OJ990312_08.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	2615	End	2834
GI	none	Score	127
Exons	2615..2833, 2616..2735, 2760..2834		

Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9936	Strand	-
Start	16755	End	17312
Name	OJ990312_08.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	3668	End	4513
GI	none	Score	68
Exons	3668..3739, 3680..3748, 4317..4355, 4319..4354, 4352..4513, 4353..4451		

Seq. No.	4772	Seq. ID	OJ990312_08.9923.C7
Gene No.	9936	Strand	-
Start	16755	End	17312
Name	OJ990312_08.9923.C7.o5.gs	Method	GENSCAN
Start	16755	End	17312
GI	none	Score	.83
Exons	16755..16881, 17134..17312		

Seq. No.	4773	Seq. ID	OJ990312_08.9923.C8
Gene No.	9937	Strand	-
Start	174	End	1690
Name	OJ990312_08.9923.C8.o1.gs	Method	GENSCAN
Start	174	End	1690
GI	none	Score	.8
Exons	174..382, 903..987, 1075..1167, 1278..1356, 1426..1536, 1608..1690		

Seq. No.	4774	Seq. ID	OJ990312_08.9923.C9
Gene No.	9938	Strand	+
Start	292	End	1943
Name	OJ990312_08.9923.C9.o1.gs	Method	GENSCAN
Start	292	End	1726
GI	none	Score	.83
Exons	292..298, 582..803, 837..1726		

Seq. No.	4774	Seq. ID	OJ990312_08.9923.C9
Gene No.	9938	Strand	+
Start	292	End	1943
Name	OJ990312_08.9923.C9.o1.np	Method	AAT/NAP
Start	572	End	1943
GI	3386534	Score	970
Exons	572..1657, 1732..1943		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	4774	Seq. ID	OJ990312_08.9923.C9
Gene No.	9939	Strand	-
Start	1994	End	2734
Name	OJ990312_08.9923.C9.o1.tw	Method	TBLASTX:Wheat
Start	1367	End	1645
GI	none	Score	244
Exons	1367..1645, 1382..1585		

Seq. No.	4774	Seq. ID	OJ990312_08.9923.C9
Gene No.	9939	Strand	-
Start	1994	End	2734
Name	OJ990312_08.9923.C9.o2.gs	Method	GENSCAN
Start	1994	End	2734
GI	none	Score	.81
Exons	1994..2734		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9940	Strand	+
Start	3390	End	3884
Name	OJ990312_08.9923.C10.o2.gs	Method	GENSCAN
Start	3390	End	3884
GI	none	Score	.68
Exons	3390..3602, 3759..3884		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9941	Strand	+
Start	7554	End	11110
Name	OJ990312_08.9923.C10.o4.gs	Method	GENSCAN
Start	7554	End	11062
GI	none	Score	.65
Exons	7554..7600, 8865..9669, 9819..10235, 10799..11062		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9941	Strand	+
Start	7554	End	11110
Name	OJ990312_08.9923.C10.o1.np	Method	AAT/NAP
Start	9114	End	11110
GI	4038056	Score	1259
Exons	9114..9406, 9461..11110		
GI Descrip.	(AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9942	Strand	-
Start	4825	End	5839
Name	OJ990312_08.9923.C10.o3.tm	Method	TBLASTX:Maize
Start	3871	End	4396
GI	none	Score	69
Exons	3871..3969, 3873..3971, 3873..4001, 3950..4009, 4052..4078, 4053..4076, 4073..4177, 4078..4197, 4082..4198, 4190..4396, 4200..4382		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9942	Strand	-
Start	4825	End	5839
Name	OJ990312_08.9923.C10.o3.gs	Method	GENSCAN

Start	4825	End	5839
GI	none	Score	.57
Exons	4825..5056, 5766..5839		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o2.tw	Method	TBLASTX:Wheat
Start	9094	End	9723
GI	none	Score	197
Exons	9094..9393, 9213..9389, 9463..9582, 9468..9581, 9487..9588, 9579..9707, 9580..9708, 9589..9723		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	9112	End	9402
GI	none	Score	277
Exons	9112..9402, 9114..9365		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o2.ts	Method	TBLASTX:Soybean
Start	9457	End	9717
GI	none	Score	198
Exons	9457..9717, 9490..9702		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	9463	End	9803
GI	none	Score	225
Exons	9463..9735, 9465..9608, 9648..9737, 9738..9803		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	9610	End	10094
GI	none	Score	89
Exons	9610..9714, 9618..9713, 9737..9808, 9738..9809, 9906..9953, 10001..10084, 10005..10094		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9943	Strand	
Start	9094	End	10094
Name	OJ990312_08.9923.C10.o3.tw	Method	TBLASTX:Wheat
Start	9753	End	10043
GI	none	Score	129
Exons	9753..9851, 9755..9844, 9897..9992, 10005..10043		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9944	Strand	
Start	10607	End	11107

Name	OJ990312_08.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	10607	End	10990
GI	none	Score	56
Exons	10607..10675, 10609..10659, 10675..10989, 10676..10990		

Seq. No.	4775	Seq. ID	OJ990312_08.9923.C10
Gene No.	9944	Strand	
Start	10607	End	11107
Name	OJ990312_08.9923.C10.o1.tw	Method	TBLASTX:Wheat
Start	10631	End	11107
GI	none	Score	414
Exons	10631..11107, 10684..11082		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o1.np	Method	AAT/NAP
Start	1	End	949
GI	6742729	Score	692
Exons	1..949		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o1.gs	Method	GENSCAN
Start	87	End	5967
GI	none	Score	.75
Exons	87..1172, 1253..1424, 1787..1914, 2195..2648, 4004..4128, 4218..4809, 4907..5967		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	87	End	470
GI	none	Score	56
Exons	87..155, 89..139, 155..469, 156..470		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	111	End	1312
GI	none	Score	587
Exons	111..827, 164..664, 876..1004, 887..1003, 1011..1127, 1022..1126, 1178..1243, 1250..1312		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	408	End	827
GI	none	Score	326
Exons	408..827, 410..664		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11

Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	720	End	1010
GI	none	Score	153
Exons	720..890, 722..889, 905..1009, 906..1010		

Seq. No.	4776	Seq. ID	OJ990312_08.9923.C11
Gene No.	9945	Strand	+
Start	1	End	5987
Name	OJ990312_08.9923.C11.o3.np	Method	AAT/NAP
Start	4385	End	5987
GI	4680204	Score	232
Exons	4385..5208, 5908..5987		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4777	Seq. ID	OJ990312_08.9923.C12
Gene No.	9946	Strand	-
Start	23	End	588
Name	OJ990312_08.9923.C12.o1.gs	Method	GENSCAN
Start	23	End	588
GI	none	Score	.44
Exons	23..588		

Seq. No.	4778	Seq. ID	OJ990312_08.9923.C14
Gene No.	9947	Strand	+
Start	4862	End	5456
Name	OJ990312_08.9923.C14.o2.gs	Method	GENSCAN
Start	4862	End	5456
GI	none	Score	.9
Exons	4862..5215, 5250..5456		

Seq. No.	4778	Seq. ID	OJ990312_08.9923.C14
Gene No.	9948	Strand	-
Start	69	End	4362
Name	OJ990312_08.9923.C14.o1.gp	Method	AAT/GAP
Start	69	End	3976
GI	2796795	Score	359
Exons	69..250, 3899..3976		

Seq. No.	4778	Seq. ID	OJ990312_08.9923.C14
Gene No.	9948	Strand	-
Start	69	End	4362
Name	OJ990312_08.9923.C14.o1.gs	Method	GENSCAN
Start	1426	End	4362
GI	none	Score	.44
Exons	1426..1641, 1813..1840, 3899..4362		

Seq. No.	4778	Seq. ID	OJ990312_08.9923.C14
Gene No.	9949	Strand	-
Start	4666	End	5681
Name	OJ990312_08.9923.C14.o1.np	Method	AAT/NAP
Start	4666	End	5681
GI	5091497	Score	382
Exons	4666..4780, 4830..5287, 5640..5681		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	4779	Seq. ID	OJ990312_08.9923.C15
Gene No.	9950	Strand	+
Start	457	End	658
Name	OJ990312_08.9923.C15.o1.gs	Method	GENSCAN
Start	457	End	658
GI	none	Score	.87
Exons	457..658		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9951	Strand	+
Start	5832	End	6164
Name	OJ990312_08.9923.C16.o1.gp	Method	AAT/GAP
Start	5832	End	6164
GI	none	Score	570
Exons	5832..6164		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9952	Strand	+
Start	9900	End	11113
Name	OJ990312_08.9923.C16.o3.gs	Method	GENSCAN
Start	9900	End	11113
GI	none	Score	.64
Exons	9900..10287, 10535..10594, 10795..10842, 11007..11113		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9953	Strand	+
Start	12744	End	14427
Name	OJ990312_08.9923.C16.o1.np	Method	AAT/NAP
Start	12396	End	14427
GI	4544450	Score	1178
Exons	12396..14427		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9953	Strand	+
Start	12744	End	14427
Name	OJ990312_08.9923.C16.o4.gs	Method	GENSCAN
Start	12744	End	14414
GI	none	Score	.53
Exons	12744..14414		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9954	Strand	-
Start	6222	End	7958
Name	OJ990312_08.9923.C16.o2.gs	Method	GENSCAN
Start	6222	End	7958
GI	none	Score	.74
Exons	6222..6347, 6492..6626, 6667..6722, 7852..7909, 7914..7958		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o2.ts	Method	TBLASTX:Soybean
Start	23	End	629
GI	none	Score	99
Exons	23..121, 272..628, 366..629		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	272	End	688
GI	none	Score	37
Exons	272..688, 317..382, 342..686, 440..688		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o3.tc	Method	TBLASTX:Cress
Start	374	End	688
GI	none	Score	213
Exons	374..688		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o3.tm	Method	TBLASTX:Maize
Start	902	End	1286
GI	none	Score	39
Exons	902..1081, 948..1046, 1078..1269, 1079..1279, 1110..1286		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	12945	End	13955
GI	none	Score	121
Exons	12945..13133, 12954..13127, 13011..13625, 13122..13433, 13260..13478, 13344..13526, 13403..13615, 13533..13595, 13626..13841, 13664..13849, 13671..13850, 13716..13919, 13842..13955		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	12950	End	13976
GI	none	Score	121
Exons	12950..13120, 12951..13127, 12969..13127, 13143..13448, 13148..13420, 13365..13613, 13503..13622, 13517..13615, 13626..13976		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	12957	End	14372
GI	none	Score	93
Exons	12957..13145, 12965..13138, 12966..13139, 12966..13433, 13107..13433, 13122..13175, 13191..13433, 13362..13736, 13368..13592, 13368..13529, 13383..13544, 13443..13622, 13536..13622, 13665..14372, 13671..13832, 13671..13868, 13679..14353		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o3.ts	Method	TBLASTX:Soybean
Start	12960	End	13910
GI	none	Score	99
Exons	12960..13106, 13041..13139, 13043..13138, 13256..13402, 13263..13397, 13440..13628, 13662..13814, 13746..13910		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	13914	End	14411
GI	none	Score	373
Exons	13914..14411, 13959..14324		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o2.tc	Method	TBLASTX:Cress
Start	13956	End	14285
GI	none	Score	241
Exons	13956..14285, 13958..14272		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o2.np	Method	AAT/NAP
Start	16482	End	17065
GI	6587865	Score	83
Exons	16482..16539, 16927..17065		
GI Descrip.	(AC012680) unknown protein [Arabidopsis thaliana]		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o4.tm	Method	TBLASTX:Maize
Start	16843	End	17213
GI	none	Score	64
Exons	16843..16869, 16844..16891, 16845..16883, 16929..17045, 16929..17024, 16939..17025, 17003..17044, 17160..17213, 17163..17210		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o5.gs	Method	GENSCAN
Start	16845	End	18083
GI	none	Score	.91
Exons	16845..17252, 17814..18083		

Seq. No.	4780	Seq. ID	OJ990312_08.9923.C16
Gene No.	9955	Strand	-
Start	16845	End	18083
Name	OJ990312_08.9923.C16.o2.gp	Method	AAT/GAP

Start	16987	End	18074
GI	none	Score	980
Exons	16987..17252, 17814..18074		

Seq. No.	4781	Seq. ID	OJ990312_08.9923.C18
Gene No.	9956	Strand	+
Start	297	End	534
Name	OJ990312_08.9923.C18.o1.gs	Method	GENSCAN
Start	297	End	534
GI	none	Score	.76
Exons	297..316, 447..534		

Seq. No.	4782	Seq. ID	OJ990312_08.9923.C21
Gene No.	9957	Strand	-
Start	113	End	795
Name	OJ990312_08.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	82	End	474
GI	none	Score	299
Exons	82..324, 113..325, 374..457, 406..474, 406..462, 408..473		

Seq. No.	4782	Seq. ID	OJ990312_08.9923.C21
Gene No.	9957	Strand	-
Start	113	End	795
Name	OJ990312_08.9923.C21.o1.gs	Method	GENSCAN
Start	113	End	490
GI	none	Score	.63
Exons	113..322, 406..490		

Seq. No.	4782	Seq. ID	OJ990312_08.9923.C21
Gene No.	9957	Strand	-
Start	113	End	795
Name	OJ990312_08.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	130	End	462
GI	none	Score	151
Exons	130..324, 131..325, 131..325, 406..462		

Seq. No.	4782	Seq. ID	OJ990312_08.9923.C21
Gene No.	9957	Strand	-
Start	113	End	795
Name	OJ990312_08.9923.C21.o1.gp	Method	AAT/GAP
Start	173	End	795
GI	none	Score	395
Exons	173..322, 406..492, 762..795		

Seq. No.	4782	Seq. ID	OJ990312_08.9923.C21
Gene No.	9957	Strand	-
Start	113	End	795
Name	OJ990312_08.9923.C21.o2.gp	Method	AAT/GAP
Start	202	End	795
GI	none	Score	358
Exons	202..322, 406..492, 762..795		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.gs	Method	GENSCAN
Start	276	End	5179

GI	none	Score	.67
Exons	276..349, 441..498, 1618..1827, 1911..1995, 2263..2288, 3212..3234, 3678..3919, 4008..4258, 4808..4915, 5021..5179		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	276	End	1240
GI	none	Score	107
Exons	276..350, 277..351, 442..501, 442..498, 1149..1235, 1155..1235, 1156..1239, 1157..1240		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	1189	End	1979
GI	none	Score	85
Exons	1189..1272, 1190..1273, 1190..1276, 1191..1277, 1194..1322, 1587..1829, 1618..1830, 1618..1830, 1879..1962, 1911..1979, 1911..1967, 1913..1978		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	1636	End	1967
GI	none	Score	151
Exons	1636..1830, 1636..1830, 1911..1967		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.gp	Method	AAT/GAP
Start	1678	End	3659
GI	none	Score	1052
Exons	1678..1827, 1911..1995, 2263..2288, 3212..3324, 3409..3659		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o1.np	Method	AAT/NAP
Start	4615	End	5235
GI	2129575	Score	76
Exons	4615..4723, 4808..4854, 5104..5235		
GI Descrip.	DNA repair protein homolog XPBara - Arabidopsis thaliana		

Seq. No.	4783	Seq. ID	OJ990312_08.9923.C22
Gene No.	9958	Strand	-
Start	276	End	5235
Name	OJ990312_08.9923.C22.o2.tm	Method	TBLASTX:Maize
Start	4656	End	4857
GI	none	Score	205
Exons	4656..4802, 4657..4857, 4796..4849		

Seq. No.	4784	Seq. ID	OJ990312_08.9923.C23

Gene No.	9959	Strand	+
Start	59	End	950
Name	OJ990312_08.9923.C23.o1.gs	Method	GENSCAN
Start	59	End	950
GI	none	Score	.93
Exons	59..66, 755..950		

Seq. No.	4785	Seq. ID	OJ990312_08.9923.C24
Gene No.	9960	Strand	-
Start	3194	End	3982
Name	OJ990312_08.9923.C24.o2.gs	Method	GENSCAN
Start	3194	End	3982
GI	none	Score	.43
Exons	3194..3421, 3905..3982		

Seq. No.	4786	Seq. ID	OJ990312_08.9923.C25
Gene No.	9961	Strand	+
Start	1	End	758
Name	OJ990312_08.9923.C25.o1.np	Method	AAT/NAP
Start	1	End	758
GI	4680203	Score	244
Exons	1..306, 730..758		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4786	Seq. ID	OJ990312_08.9923.C25
Gene No.	9961	Strand	+
Start	1	End	758
Name	OJ990312_08.9923.C25.o1.gs	Method	GENSCAN
Start	162	End	756
GI	none	Score	.67
Exons	162..179, 574..756		

Seq. No.	4786	Seq. ID	OJ990312_08.9923.C25
Gene No.	9962	Strand	-
Start	458	End	569
Name	OJ990312_08.9923.C25.o1.tw	Method	TBLASTX:Wheat
Start	39	End	307
GI	none	Score	60
Exons	39..80, 53..145, 87..146, 125..271, 153..272, 278..307, 279..305		

Seq. No.	4786	Seq. ID	OJ990312_08.9923.C25
Gene No.	9962	Strand	-
Start	458	End	569
Name	OJ990312_08.9923.C25.o1.gp	Method	AAT/GAP
Start	458	End	569
GI	uC-osflcyp088b12b1	Score	145
Exons	458..569		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4787	Seq. ID	OJ990312_08.9923.C27
Gene No.	9963	Strand	-
Start	813	End	1536
Name	OJ990312_08.9923.C27.o1.gs	Method	GENSCAN
Start	813	End	1536
GI	none	Score	.86
Exons	813..1197, 1444..1536		

Seq. No.	4787	Seq. ID	OJ990312_08.9923.C27
Gene No.	9964	Strand	-
Start	1478	End	1539
Name	OJ990312_08.9923.C27.o1.gp	Method	AAT/GAP
Start	1478	End	1539
GI	none	Score	94
Exons	1478..1539		

Seq. No.	4788	Seq. ID	OJ990502_31.9A15.C1
Gene No.	9965	Strand	-
Start	173	End	1056
Name	OJ990502_31.9A15.C1.o1.np	Method	AAT/NAP
Start	173	End	1056
GI	2992160	Score	442
Exons	173..263, 363..559, 596..1056		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	4788	Seq. ID	OJ990502_31.9A15.C1
Gene No.	9965	Strand	-
Start	173	End	1056
Name	OJ990502_31.9A15.C1.o1.gs	Method	GENSCAN
Start	363	End	965
GI	none	Score	.71
Exons	363..530, 603..965		

Seq. No.	4789	Seq. ID	OJ990502_31.9A15.C2
Gene No.	9966	Strand	-
Start	1	End	5604
Name	OJ990502_31.9A15.C2.o1.np	Method	AAT/NAP
Start	1	End	1211
GI	2130141	Score	562
Exons	1..515, 609..1211		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	4789	Seq. ID	OJ990502_31.9A15.C2
Gene No.	9966	Strand	-
Start	1	End	5604
Name	OJ990502_31.9A15.C2.o1.gs	Method	GENSCAN
Start	377	End	5472
GI	none	Score	.4
Exons	377..515, 846..1644, 1790..2166, 4636..4902, 5416..5472		

Seq. No.	4789	Seq. ID	OJ990502_31.9A15.C2
Gene No.	9966	Strand	-
Start	1	End	5604
Name	OJ990502_31.9A15.C2.o2.np	Method	AAT/NAP
Start	1631	End	5604
GI	4539658	Score	45
Exons	1631..1650, 2646..2704, 4147..4280, 5551..5604		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	4789	Seq. ID	OJ990502_31.9A15.C2
Gene No.	9967	Strand	-
Start	5582	End	5642

Name	OJ990502_31.9A15.C2.o1.tm	Method	TBLASTX:Maize
Start	120	End	518
GI	none	Score	160
Exons	120..518, 121..330, 221..421, 390..509		

Seq. No.	4789	Seq. ID	OJ990502_31.9A15.C2
Gene No.	9967	Strand	-
Start	5582	End	5642
Name	OJ990502_31.9A15.C2.o1.gp	Method	AAT/GAP
Start	5582	End	5642
GI	35458_1.R1084	Score	89
Exons	5582..5642		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	4790	Seq. ID	OJ990502_31.9A15.C3
Gene No.	9968	Strand	-
Start	106	End	392
Name	OJ990502_31.9A15.C3.o1.np	Method	AAT/NAP
Start	106	End	392
GI	1169798	Score	83
Exons	106..186, 260..392		
GI Descrip.	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC B (GPI-B) (PHOSPHOGLUCOSE ISOMERASE B) (PGI-B) (PHOSPHOHEXOSE ISOMERASE B) (PHI-B) gi|639686|dbj|BAA08149| (D45218) phosphoglucose isomerase (Pgi-b) [Oryza sativa]		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9969	Strand	+
Start	1698	End	3115
Name	OJ990502_31.9A15.C4.o2.gs	Method	GENSCAN
Start	1698	End	3115
GI	none	Score	.79
Exons	1698..2030, 2926..3039, 3092..3115		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9970	Strand	+
Start	3833	End	4287
Name	OJ990502_31.9A15.C4.o1.gp	Method	AAT/GAP
Start	3833	End	4287
GI	36280_1.R1084	Score	862
Exons	3833..4287		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9971	Strand	+
Start	5978	End	6413
Name	OJ990502_31.9A15.C4.o3.gp	Method	AAT/GAP
Start	5978	End	6413
GI	uC-osf1M2020118f01a1	Score	809
Exons	5978..6413		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777)		

[Oryza sativa]'

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9972	Strand	+
Start	8468	End	8795
Name	OJ990502_31.9A15.C4.o4.gp	Method	AAT/GAP
Start	8468	End	8795
GI	86158_1.R1084	Score	397
Exons	8468..8596, 8621..8795		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9973	Strand	-
Start	407	End	1152
Name	OJ990502_31.9A15.C4.o1.gs	Method	GENSCAN
Start	407	End	1152
GI	none	Score	.53
Exons	407..412, 805..1038, 1087..1152		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9974	Strand	-
Start	3459	End	8258
Name	OJ990502_31.9A15.C4.o1.np	Method	AAT/NAP
Start	3459	End	8258
GI	5295971	Score	8114
Exons	3459..8258		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9974	Strand	-
Start	3459	End	8258
Name	OJ990502_31.9A15.C4.o2.gp	Method	AAT/GAP
Start	5614	End	5969
GI	uC-osf1cyp139c12a1	Score	589
Exons	5614..5969		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o8.tm	Method	TBLASTX:Maize
Start	1700	End	9339
GI	none	Score	125
Exons	1700..1867, 1701..1862, 1807..1863, 1970..2029, 1970..2026, 1989..2033, 2922..3032, 2926..3036, 2928..3035, 8929..8997, 8930..8998, 8934..8999, 8936..9013, 9035..9193, 9084..9191, 9085..9195, 9289..9339, 9291..9338		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340

Name	OJ990502_31.9A15.C4.o4.ts	Method	TBLASTX:Soybean
Start	1790	End	9336
GI	none	Score	85
Exons	1790..1861, 1791..1862, 1973..2026, 1989..2033, 2923..3039, 2934..3035, 2943..3041, 8927..8998, 8929..8994, 9085..9195, 9085..9201, 9289..9336		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o3.ts	Method	TBLASTX:Soybean
Start	3483	End	4133
GI	none	Score	56
Exons	3483..3716, 3616..3702, 3771..3959, 3799..3960, 3972..4133		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o1.tc	Method	TBLASTX:Cress
Start	3492	End	4154
GI	none	Score	89
Exons	3492..3710, 3496..3702, 3777..3857, 3781..3858, 3867..4154, 3868..3960, 3982..4092		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o4.tm	Method	TBLASTX:Maize
Start	3493	End	3882
GI	none	Score	342
Exons	3493..3879, 3495..3800, 3495..3881, 3617..3850, 3775..3882		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o4.tw	Method	TBLASTX:Wheat
Start	3522	End	3941
GI	none	Score	63
Exons	3522..3725, 3535..3702, 3771..3941, 3781..3858		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o9.tm	Method	TBLASTX:Maize
Start	3888	End	4067
GI	none	Score	122
Exons	3888..4067, 3889..4065		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o5.tw	Method	TBLASTX:Wheat
Start	3975	End	4286
GI	none	Score	64
Exons	3975..4154, 4179..4286		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4

Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o3.tm	Method	TBLASTX:Maize
Start	4069	End	4460
GI	none	Score	459
Exons	4069..4458, 4071..4460, 4071..4460		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o2.tw	Method	TBLASTX:Wheat
Start	4287	End	4839
GI	none	Score	80
Exons	4287..4511, 4497..4727, 4521..4688, 4710..4838, 4750..4839		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o2.ts	Method	TBLASTX:Soybean
Start	4512	End	5006
GI	5509260	Score	130
Exons	4512..4727, 4531..4689, 4722..5006, 4750..4926		
GI Descrip.	-		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o3.tc	Method	TBLASTX:Cress
Start	4623	End	4884
GI	none	Score	91
Exons	4623..4727, 4710..4883, 4753..4884		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o6.tm	Method	TBLASTX:Maize
Start	4662	End	4955
GI	none	Score	48
Exons	4662..4727, 4663..4704, 4665..4727, 4704..4955, 4750..4929, 4817..4948		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o1.ts	Method	TBLASTX:Soybean
Start	5457	End	5936
GI	none	Score	66
Exons	5457..5603, 5628..5936, 5640..5900, 5641..5931		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o2.tc	Method	TBLASTX:Cress
Start	5481	End	5921
GI	none	Score	60
Exons	5481..5603, 5625..5921, 5635..5781, 5839..5871		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o2.tm	Method	TBLASTX:Maize
Start	5541	End	5967
GI	none	Score	538
Exons	5541..5936, 5541..5963, 5542..5967		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o3.tw	Method	TBLASTX:Wheat
Start	5619	End	6170
GI	none	Score	42
Exons	5619..5699, 5632..5703, 5706..5972, 5806..5955, 6030..6170		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o5.ts	Method	TBLASTX:Soybean
Start	6030	End	6305
GI	none	Score	194
Exons	6030..6305, 6129..6209		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o1.tw	Method	TBLASTX:Wheat
Start	6243	End	6696
GI	none	Score	53
Exons	6243..6335, 6243..6323, 6303..6692, 6330..6695, 6391..6696		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o7.tm	Method	TBLASTX:Maize
Start	6366	End	6606
GI	none	Score	262
Exons	6366..6605, 6367..6606		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o1.tm	Method	TBLASTX:Maize
Start	6621	End	7340
GI	none	Score	417
Exons	6621..7046, 6621..6986, 6722..7045, 7051..7083, 7053..7148, 7065..7340, 7066..7323		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o5.tm	Method	TBLASTX:Maize
Start	7575	End	7866
GI	none	Score	215
Exons	7575..7796, 7575..7865, 7651..7866		

Seq. No.	4791	Seq. ID	OJ990502_31.9A15.C4
Gene No.	9975	Strand	-
Start	9259	End	9340
Name	OJ990502_31.9A15.C4.o5.gp	Method	AAT/GAP
Start	9259	End	9340
GI	none	Score	164
Exons	9259..9340		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9976	Strand	+
Start	1	End	2229
Name	OJ990502_31.9A15.C5.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	6683619	Score	469
Exons	1..21, 95..196, 335..455, 534..607, 984..1103, 1451..1543		
GI Descrip.	(AB025250) ATP phosphoribosyl transferase [Arabidopsis thaliana]		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9976	Strand	+
Start	1	End	2229
Name	OJ990502_31.9A15.C5.o1.gs	Method	GENSCAN
Start	95	End	2229
GI	none	Score	.86
Exons	95..196, 984..1103, 2206..2229		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9976	Strand	+
Start	1	End	2229
Name	OJ990502_31.9A15.C5.o1.gp	Method	AAT/GAP
Start	1637	End	1789
GI	2798111	Score	306
Exons	1637..1789		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9977	Strand	-
Start	2551	End	4462
Name	OJ990502_31.9A15.C5.o2.np	Method	AAT/NAP
Start	2551	End	4462
GI	3831440	Score	1300
Exons	2551..3162, 3469..4462		
GI Descrip.	(AC005819) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9977	Strand	-
Start	2551	End	4462
Name	OJ990502_31.9A15.C5.o2.gp	Method	AAT/GAP
Start	2818	End	3137
GI	LIB3434-042-P1-K1-F4	Score	530
Exons	2818..3137		
GI Descrip.	'3831440 8.0e-28 (AC005819) putative cytochrome P450 [Arabidopsis thaliana] >gi_4415946_gb_AAD20176_ (AC006418) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o2.tm	Method	TBLASTX:Maize

Start	94	End	10589
GI	none	Score	166
Exons	94..204, 95..211, 329..451, 333..449, 334..450, 512..607, 523..606, 980..1102, 981..1106, 1449..1550, 1450..1551, 1450..1551, 1451..1552, 1625..1696, 1629..1694, 10464..10589		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o2.tc	Method	TBLASTX:Cress
Start	131	End	1549
GI	none	Score	45
Exons	131..166, 161..211, 329..451, 340..471, 521..607, 523..606, 965..1099, 981..1103, 1453..1515, 1454..1549		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o2.ts	Method	TBLASTX:Soybean
Start	157	End	607
GI	none	Score	120
Exons	157..207, 329..451, 352..450, 521..607, 523..606		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o1.tm	Method	TBLASTX:Maize
Start	2545	End	3714
GI	none	Score	191
Exons	2545..2769, 2546..2764, 2755..3045, 2756..3031, 3043..3162, 3044..3163, 3469..3555, 3568..3714, 3575..3709		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o1.ts	Method	TBLASTX:Soybean
Start	2554	End	4416
GI	none	Score	57
Exons	2554..2628, 2554..2628, 2638..3162, 2642..3163, 3466..3546, 3469..3546, 3536..3709, 3574..3714, 3784..3852, 3889..4029, 3928..4185, 3983..4186, 4174..4272, 4175..4273, 4294..4416, 4295..4321		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o1.tw	Method	TBLASTX:Wheat
Start	2554	End	2812
GI	none	Score	134
Exons	2554..2640, 2557..2646, 2628..2678, 2629..2703, 2629..2811, 2639..2812		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o1.tc	Method	TBLASTX:Cress
Start	2626	End	3163

GI	none	Score	67
Exons	2626..2775, 2687..2770, 2797..2931, 2830..2928, 2933..3163, 2944..3162		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o3.tm	Method	TBLASTX:Maize
Start	4156	End	4512
GI	none	Score	144
Exons	4156..4263, 4156..4422, 4157..4396, 4309..4401, 4381..4512, 4430..4480, 4449..4487		

Seq. No.	4792	Seq. ID	OJ990502_31.9A15.C5
Gene No.	9978	Strand	-
Start	7933	End	10589
Name	OJ990502_31.9A15.C5.o3.gs	Method	GENSCAN
Start	7933	End	10354
GI	none	Score	.74
Exons	7933..8347, 8490..8616, 8814..8915, 10213..10354		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9979	Strand	+
Start	151	End	1402
Name	OJ990502_31.9A15.C6.o1.gs	Method	GENSCAN
Start	151	End	1402
GI	none	Score	.68
Exons	151..268, 1110..1160, 1320..1402		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9980	Strand	+
Start	7249	End	8250
Name	OJ990502_31.9A15.C6.o4.gs	Method	GENSCAN
Start	7249	End	8250
GI	none	Score	.79
Exons	7249..7974, 8065..8250		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9980	Strand	+
Start	7249	End	8250
Name	OJ990502_31.9A15.C6.o1.np	Method	AAT/NAP
Start	7616	End	8220
GI	6572059	Score	224
Exons	7616..7717, 7924..7974, 8065..8220		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9981	Strand	-
Start	3394	End	3711
Name	OJ990502_31.9A15.C6.o2.gs	Method	GENSCAN
Start	3394	End	3711
GI	none	Score	.54
Exons	3394..3492, 3634..3711		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9982	Strand	-
Start	9466	End	10661

Name	OJ990502_31.9A15.C6.o5.gs	Method	GENSCAN
Start	9466	End	10580
GI	none	Score	.67
Exons	9466..10193, 10302..10350, 10425..10580		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9982	Strand	-
Start	9466	End	10661
Name	OJ990502_31.9A15.C6.o1.tm	Method	TBLASTX:Maize
Start	9583	End	10585
GI	none	Score	130
Exons	9583..9882, 9608..9766, 10025..10231, 10030..10224, 10052..10231, 10302..10355, 10303..10356, 10304..10360, 10425..10571, 10429..10569, 10526..10576, 10529..10585		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9982	Strand	-
Start	9466	End	10661
Name	OJ990502_31.9A15.C6.o2.np	Method	AAT/NAP
Start	9604	End	10568
GI	1170089	Score	306
Exons	9604..9885, 10048..10265, 10421..10568		
GI Descrip.	GLUTATHIONE S-TRANSFERASE ERD13 (GST CLASS PHI) gi|481822|pir||S39542 probable glutathione transferase (EC 2.5.1.18) (clone ERD13) - Arabidopsis thaliana gi|497789|dbj|BAA04554| (D17673) glutathione S-transferase [Arabidopsis thaliana] gi|3201614|gb|AAC20721.1| (AC004669) glutathione S-transferase [Arabidopsis thaliana]		

Seq. No.	4793	Seq. ID	OJ990502_31.9A15.C6
Gene No.	9982	Strand	-
Start	9466	End	10661
Name	OJ990502_31.9A15.C6.o1.gp	Method	AAT/GAP
Start	9880	End	10661
GI	21736_1.R1084	Score	1165
Exons	9880..10220, 10302..10350, 10425..10661		
GI Descrip.	'1170088/sp|P46440|GTH2_TOBAC 3.0e-14 GLUTATHIONE S-TRANSFERASE APIC (GST CLASS-PHI) >gi_676880_dbj_BAA06150_ (D29680) The expression is induced by aluminium treatment and Pi starvation. [Nicotiana tabacum] >gi_1094818_prf__2106387B Al-induced protein [Nicotiana tabacum]'		

Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9983	Strand	+
Start	1983	End	3754
Name	OJ990502_31.9A15.C7.o1.np	Method	AAT/NAP
Start	1983	End	3754
GI	6907086	Score	1192
Exons	1983..2767, 2831..3058, 3287..3355, 3388..3754		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o1.tm	Method	TBLASTX:Maize
Start	6013	End	7009
GI	none	Score	35

Exons	6013..6075, 6110..6223, 6110..6238, 6111..6239, 6242..6406, 6246..6359, 6351..6587, 6407..6589, 6650..6754, 6678..6725, 6841..6894, 6842..6997, 6846..7001, 6932..7009		
Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o2.gs	Method	GENSCAN
Start	6110	End	6994
GI	none	Score	.92
Exons	6110..6585, 6676..6724, 6842..6994		
Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o2.np	Method	AAT/NAP
Start	6146	End	6991
GI	2266412	Score	288
Exons	6146..6585, 6676..6730, 6851..6991		
GI Descrip.	(Y14251) glutathione S-transferase [Arabidopsis thaliana]		
Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o1.tc	Method	TBLASTX:Cress
Start	6149	End	6586
GI	none	Score	50
Exons	6149..6220, 6150..6215, 6248..6505, 6267..6521, 6536..6586		
Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o1.gp	Method	AAT/GAP
Start	6220	End	6896
GI	LIB3433-045-P1-K1-A4	Score	863
Exons	6220..6585, 6676..6724, 6842..6896		
GI Descrip.	'2290782 1.0e-24 (AF002692) glutathione S-transferase, class-phi [Solanum commersonii]'		
Seq. No.	4794	Seq. ID	OJ990502_31.9A15.C7
Gene No.	9984	Strand	-
Start	6110	End	7009
Name	OJ990502_31.9A15.C7.o1.ts	Method	TBLASTX:Soybean
Start	6224	End	6943
GI	none	Score	81
Exons	6224..6541, 6267..6350, 6414..6521, 6536..6586, 6842..6943		
Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9985	Strand	+
Start	5558	End	5993
Name	OJ990502_31.9A15.C8.o3.gp	Method	AAT/GAP
Start	5558	End	5993
GI	none	Score	831
Exons	5558..5993		
Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9986	Strand	-

Start	1133	End	2051
Name	OJ990502_31.9A15.C8.o1.gs	Method	GENSCAN
Start	1133	End	1981
GI	none	Score	.58
Exons	1133..1411, 1581..1630, 1699..1747, 1928..1981		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9986	Strand	-
Start	1133	End	2051
Name	OJ990502_31.9A15.C8.o1.gp	Method	AAT/GAP
Start	1325	End	2051
GI	LIB3434-019-P1-K1-E2	Score	961
Exons	1325..1599, 1699..1747, 1829..2051		
GI Descrip.	'4127352/emb|CAA09190| 1.0e-23 (AJ010451) glutathione transferase [Alopecurus myosuroides]'		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9987	Strand	-
Start	3496	End	4517
Name	OJ990502_31.9A15.C8.o2.gp	Method	AAT/GAP
Start	3290	End	4517
GI	23266_1.R1084	Score	1761
Exons	3290..3968, 4270..4517		
GI Descrip.	'1575752 1.0e-46 (U70672) glutathione S-transferase [Arabidopsis thaliana]'		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9987	Strand	-
Start	3496	End	4517
Name	OJ990502_31.9A15.C8.o2.gs	Method	GENSCAN
Start	3496	End	4471
GI	none	Score	.91
Exons	3496..3968, 4270..4471		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9987	Strand	-
Start	3496	End	4517
Name	OJ990502_31.9A15.C8.o1.np	Method	AAT/NAP
Start	3511	End	4465
GI	1575752	Score	450
Exons	3511..3968, 4270..4465		
GI Descrip.	(U70672) glutathione S-transferase [Arabidopsis thaliana] gi|6714419|gb|AAF26107.1|AC012328_10 (AC012328) glutathione S-transferase [Arabidopsis thaliana]		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9988	Strand	-
Start	5792	End	8340
Name	OJ990502_31.9A15.C8.o2.np	Method	AAT/NAP
Start	5766	End	8340
GI	6598359	Score	1382
Exons	5766..7205, 7509..7610, 7807..8012, 8128..8340		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9988	Strand	-
Start	5792	End	8340

Name	OJ990502_31.9A15.C8.o3.gs	Method	GENSCAN
Start	5792	End	8322
GI	none	Score	.75
Exons	5792..6216, 6850..7019, 7807..8012, 8050..8322		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9988	Strand	-
Start	5792	End	8340
Name	OJ990502_31.9A15.C8.o4.gp	Method	AAT/GAP
Start	6046	End	6978
GI	uC-osflcyp021f04b1	Score	996
Exons	6046..6430, 6850..6978		
GI Descrip.	'2558654 1.0e-26 (AC002354) No definition line found [Arabidopsis thaliana]'		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o1.tm	Method	TBLASTX:Maize
Start	1125	End	4471
GI	none	Score	385
Exons	1125..1430, 1126..1431, 1126..1419, 1133..1429, 1424..1555, 1425..1556, 1442..1558, 1556..1594, 1557..1601, 1559..1600, 1700..1774, 1701..1748, 1820..1981, 1824..1979, 1827..1982, 1829..1981, 3512..3688, 3517..3783, 3781..3888, 3788..3889, 3901..3975, 4319..4471		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o1.ts	Method	TBLASTX:Soybean
Start	1157	End	4421
GI	none	Score	106
Exons	1157..1600, 1173..1412, 1829..1951, 1836..1928, 3508..3867, 3508..3876, 4271..4420, 4290..4421		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o2.tc	Method	TBLASTX:Cress
Start	1171	End	4420
GI	none	Score	128
Exons	1171..1401, 1172..1600, 1284..1508, 3508..3876, 3529..3864, 3919..3969, 4271..4420, 4290..4400		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o2.tm	Method	TBLASTX:Maize
Start	5970	End	6535
GI	none	Score	604
Exons	5970..6476, 5970..6464, 5972..6520, 5972..6535, 6010..6525		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o1.tc	Method	TBLASTX:Cress

Start	6332	End	6826
GI	none	Score	45
Exons	6332..6361, 6371..6826, 6372..6446, 6537..6815		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o3.tm	Method	TBLASTX:Maize
Start	6541	End	6884
GI	none	Score	389
Exons	6541..6798, 6542..6817, 6543..6815, 6553..6816, 6815..6883, 6823..6882, 6825..6884		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o4.tm	Method	TBLASTX:Maize
Start	6974	End	7630
GI	none	Score	243
Exons	6974..7225, 6975..7211, 7511..7630, 7525..7590, 7533..7619		

Seq. No.	4795	Seq. ID	OJ990502_31.9A15.C8
Gene No.	9989	Strand	-
Start	8669	End	9808
Name	OJ990502_31.9A15.C8.o4.gs	Method	GENSCAN
Start	8669	End	9808
GI	none	Score	.79
Exons	8669..8753, 9320..9598, 9621..9808		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9990	Strand	+
Start	186	End	589
Name	OJ990502_31.9A15.C9.o1.gs	Method	GENSCAN
Start	186	End	589
GI	none	Score	.57
Exons	186..243, 429..589		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9991	Strand	-
Start	53	End	5815
Name	OJ990502_31.9A15.C9.o1.np	Method	AAT/NAP
Start	53	End	1854
GI	6006372	Score	57
Exons	53..172, 1836..1854		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9991	Strand	-
Start	53	End	5815
Name	OJ990502_31.9A15.C9.o2.gs	Method	GENSCAN
Start	916	End	5198
GI	none	Score	.57
Exons	916..1038, 2368..2485, 2490..2537, 2601..2732, 2833..2888, 3046..3228, 3321..3490, 3741..3842, 3923..5198		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9991	Strand	-

Start	53	End	5815
Name	OJ990502_31.9A15.C9.o2.np	Method	AAT/NAP
Start	2251	End	4745
GI	5441880	Score	1826
Exons	2251..2485, 2601..4745		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9991	Strand	-
Start	53	End	5815
Name	OJ990502_31.9A15.C9.o3.np	Method	AAT/NAP
Start	4758	End	5815
GI	6721543	Score	155
Exons	4758..4874, 5687..5815		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9992	Strand	-
Start	6692	End	11527
Name	OJ990502_31.9A15.C9.o1.tw	Method	TBLASTX:Wheat
Start	3511	End	3853
GI	none	Score	79
Exons	3511..3687, 3541..3687, 3572..3691, 3685..3852, 3697..3852, 3737..3853		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9992	Strand	-
Start	6692	End	11527
Name	OJ990502_31.9A15.C9.o1.tm	Method	TBLASTX:Maize
Start	3589	End	4184
GI	none	Score	59
Exons	3589..3660, 3724..3861, 3785..3853, 3846..4022, 3847..4005, 4056..4184, 4078..4176		

Seq. No.	4796	Seq. ID	OJ990502_31.9A15.C9
Gene No.	9992	Strand	-
Start	6692	End	11527
Name	OJ990502_31.9A15.C9.o3.gs	Method	GENSCAN
Start	6692	End	11527
GI	none	Score	.48
Exons	6692..6898, 9181..9293, 9601..9626, 11394..11527		

Seq. No.	4797	Seq. ID	OJ990502_31.9A15.C10
Gene No.	9993	Strand	+
Start	438	End	617
Name	OJ990502_31.9A15.C10.o1.gs	Method	GENSCAN
Start	438	End	617
GI	none	Score	.82
Exons	438..617		

Seq. No.	4797	Seq. ID	OJ990502_31.9A15.C10
Gene No.	9994	Strand	+
Start	1236	End	1368
Name	OJ990502_31.9A15.C10.o1.np	Method	AAT/NAP
Start	1236	End	1368

GI	5852084	Score	83
Exons	1236..1368		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	4797	Seq. ID	OJ990502_31.9A15.C10
Gene No.	9995	Strand	-
Start	2242	End	4816
Name	OJ990502_31.9A15.C10.o2.gs	Method	GENSCAN
Start	2242	End	4523
GI	none	Score	.59
Exons	2242..2358, 3349..3447, 3524..3672, 3796..3898, 4009..4107, 4447..4523		

Seq. No.	4797	Seq. ID	OJ990502_31.9A15.C10
Gene No.	9995	Strand	-
Start	2242	End	4816
Name	OJ990502_31.9A15.C10.o1.gp	Method	AAT/GAP
Start	2946	End	3898
GI	LIB3431-033-P1-K1-H1	Score	751
Exons	2946..3064, 3349..3447, 3524..3622, 3800..3898		
GI Descrip.	'584741/sp|Q05753|AKR_ARATH 3.0e-36 ANKYRIN REPEAT PROTEIN (AKRP) >gi_322461_pir__JQ1729 ankyrin-repeat protein - Arabidopsis thaliana >gi_166744 (M82883) ankyrin repeat-containing protein [Arabidopsis thaliana]'		

Seq. No.	4797	Seq. ID	OJ990502_31.9A15.C10
Gene No.	9995	Strand	-
Start	2242	End	4816
Name	OJ990502_31.9A15.C10.o2.np	Method	AAT/NAP
Start	3004	End	4816
GI	584741	Score	404
Exons	3004..3064, 3349..3447, 3524..3622, 3800..3898, 4009..4107, 4447..4524, 4788..4816		
GI Descrip.	ANKYRIN REPEAT PROTEIN (AKRP) gi|322461|pir||JQ1729 ankyrin-repeat protein - Arabidopsis thaliana gi|166744 (M82883) ankyrin repeat-containing protein [Arabidopsis thaliana]		

Seq. No.	4798	Seq. ID	OJ990502_31.9A15.C11
Gene No.	9996	Strand	-
Start	10	End	1287
Name	OJ990502_31.9A15.C11.o1.gs	Method	GENSCAN
Start	10	End	1287
GI	none	Score	.92
Exons	10..231, 1274..1287		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156
Name	OJ990502_31.9A15.C12.o1.gs	Method	GENSCAN
Start	529	End	3855
GI	none	Score	.86
Exons	529..570, 1953..2136, 2270..2346, 2552..2722, 2907..3083, 3226..3855		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156

Name	OJ990502_31.9A15.C12.o1.gp	Method	AAT/GAP
Start	2168	End	3100
GI	none	Score	955
Exons	2168..2346, 2552..2722, 2907..3100		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156
Name	OJ990502_31.9A15.C12.o1.tm	Method	TBLASTX:Maize
Start	2550	End	2969
GI	none	Score	138
Exons	2550..2726, 2552..2725, 2907..2969		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156
Name	OJ990502_31.9A15.C12.o1.tc	Method	TBLASTX:Cress
Start	2558	End	3303
GI	none	Score	80
Exons	2558..2710, 3003..3086, 3208..3303		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156
Name	OJ990502_31.9A15.C12.o1.np	Method	AAT/NAP
Start	2933	End	5303
GI	3757520	Score	119
Exons	2933..3083, 3226..3334, 5246..5303		
GI Descrip.	(AC005167) bHLH transcription factor [Arabidopsis thaliana]		

Seq. No.	4799	Seq. ID	OJ990502_31.9A15.C12
Gene No.	9997	Strand	-
Start	529	End	7156
Name	OJ990502_31.9A15.C12.o2.gs	Method	GENSCAN
Start	4602	End	7156
GI	none	Score	.48
Exons	4602..4678, 4891..5116, 7103..7156		

Seq. No.	4800	Seq. ID	OJ990502_31.9A15.C13
Gene No.	9998	Strand	+
Start	85	End	1335
Name	OJ990502_31.9A15.C13.o1.gs	Method	GENSCAN
Start	85	End	1335
GI	none	Score	.6
Exons	85..214, 666..794, 815..1166, 1193..1335		

Seq. No.	4801	Seq. ID	OJ990502_31.9A15.C16
Gene No.	9999	Strand	+
Start	1	End	97
Name	OJ990502_31.9A15.C16.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	LIB3433-056-P1-K1-H8	Score	182
Exons	1..97		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	4802	Seq. ID	OJ990502_31.9A15.C17
Gene No.	10000	Strand	+
Start	632	End	763
Name	OJ990502_31.9A15.C17.o1.gs	Method	GENSCAN
Start	632	End	763
GI	none	Score	.47
Exons	632..763		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10001	Strand	+
Start	1	End	5006
Name	OJ990502_31.9A15.C18.o1.gp	Method	AAT/GAP
Start	1	End	2490
GI	28456_1.R1084	Score	1616
Exons	1..369, 1138..1335, 1459..1518, 1639..1734, 1825..1849, 2141..2235, 2458..2490		
GI Descrip.	'4926867/gb|AAD32947.1|AC007509_2 9.0e-72 (AC007509) serine acetyltransferase (GB:AF112303) [Arabidopsis thaliana]'		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10001	Strand	+
Start	1	End	5006
Name	OJ990502_31.9A15.C18.o1.np	Method	AAT/NAP
Start	219	End	4757
GI	4406384	Score	802
Exons	219..369, 1138..1335, 1459..1518, 1639..1734, 1825..1849, 2141..2235, 2458..2624, 3363..3436, 3536..3597, 4707..4757		
GI Descrip.	(AF112303) serine acetyltransferase [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10001	Strand	+
Start	1	End	5006
Name	OJ990502_31.9A15.C18.o1.gs	Method	GENSCAN
Start	250	End	5006
GI	none	Score	.76
Exons	250..369, 1138..1335, 1534..1734, 2458..2624, 3934..4069, 4998..5006		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10002	Strand	+
Start	6468	End	11097
Name	OJ990502_31.9A15.C18.o2.np	Method	AAT/NAP
Start	6321	End	11070
GI	6598797	Score	1651
Exons	6321..6671, 9640..11070		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10002	Strand	+
Start	6468	End	11097
Name	OJ990502_31.9A15.C18.o2.gs	Method	GENSCAN
Start	6468	End	7756
GI	none	Score	.53
Exons	6468..6671, 7712..7756		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10002	Strand	+

Start	6468	End	11097
Name	OJ990502_31.9A15.C18.o3.gs	Method	GENSCAN
Start	8642	End	11097
GI	none	Score	.74
Exons	8642..8787, 9405..9480, 9640..11097		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10002	Strand	+
Start	6468	End	11097
Name	OJ990502_31.9A15.C18.o4.gp	Method	AAT/GAP
Start	9389	End	9913
GI	2801015	Score	948
Exons	9389..9913		
GI Descrip.	4926866/gb|AAD32946.1|AC007509_1 8.0e-14 (AC007509) putative amp-binding protein [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10003	Strand	+
Start	13280	End	15023
Name	OJ990502_31.9A15.C18.o3.np	Method	AAT/NAP
Start	12249	End	14996
GI	6598797	Score	1712
Exons	12249..12309, 13195..13477, 13569..14996		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10003	Strand	+
Start	13280	End	15023
Name	OJ990502_31.9A15.C18.o5.gp	Method	AAT/GAP
Start	13134	End	13669
GI	uC-osflcyp171e01b1	Score	870
Exons	13134..13477, 13569..13669		
GI Descrip.	'4926866/gb|AAD32946.1|AC007509_1 1.0e-27 (AC007509) putative amp-binding protein [Arabidopsis thaliana]'		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10003	Strand	+
Start	13280	End	15023
Name	OJ990502_31.9A15.C18.o4.gs	Method	GENSCAN
Start	13280	End	15023
GI	none	Score	.86
Exons	13280..13477, 13536..15023		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10004	Strand	-
Start	4004	End	4440
Name	OJ990502_31.9A15.C18.o3.gp	Method	AAT/GAP
Start	4004	End	4440
GI	uC-osflcyp086d11a1	Score	874
Exons	4004..4440		
GI Descrip.	'4926866/gb|AAD32946.1|AC007509_1 8.0e-14 (AC007509) putative amp-binding protein [Arabidopsis thaliana]'		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10005	Strand	-
Start	14799	End	15260
Name	OJ990502_31.9A15.C18.o6.gp	Method	AAT/GAP

Start	14799	End	15260
GI	39068_1.R1084	Score	912
Exons	14799..15260		
GI Descrip.	'2435522 3.0e-16 (AF024504) contains similarity to other AMP-binding enzymes [Arabidopsis thaliana]'		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10006	Strand	-
Start	15793	End	18276
Name	OJ990502_31.9A15.C18.o5.gs	Method	GENSCAN
Start	15793	End	18276
GI	none	Score	.95
Exons	15793..15821, 16104..16291, 16384..16504, 17610..18276		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10006	Strand	-
Start	15793	End	18276
Name	OJ990502_31.9A15.C18.o7.gp	Method	AAT/GAP
Start	16117	End	17887
GI	11221_1.R1084	Score	1081
Exons	16117..16291, 16384..16504, 17610..17887		
GI Descrip.	'2558660 2.0e-27 (AC002354) No definition line found [Arabidopsis thaliana]'		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10006	Strand	-
Start	15793	End	18276
Name	OJ990502_31.9A15.C18.o4.np	Method	AAT/NAP
Start	16218	End	18270
GI	2558660	Score	401
Exons	16218..16334, 16400..16504, 17610..18270		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o9.tm	Method	TBLASTX:Maize
Start	84	End	1219
GI	none	Score	73
Exons	84..134, 94..135, 94..141, 226..369, 237..368, 244..369, 1131..1217, 1132..1218, 1136..1219		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o2.tc	Method	TBLASTX:Cress
Start	310	End	3597
GI	none	Score	63
Exons	310..369, 1135..1335, 1135..1335, 1453..1518, 1458..1502, 1633..1737, 1638..1736, 1822..1848, 1822..1857, 2119..2232, 2132..2197, 2178..2234, 2431..2616, 2452..2634, 2553..2633, 3358..3435, 3361..3435, 3535..3597		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o3.ts	Method	TBLASTX:Soybean

Start	1135	End	2211
GI	none	Score	252
Exons	1135..1356, 1135..1335, 1137..1370, 1471..1518, 1633..1737, 1636..1737, 1825..1848, 2139..2210, 2140..2211		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o6.tm	Method	TBLASTX:Maize
Start	4807	End	4959
GI	none	Score	216
Exons	4807..4959, 4808..4954, 4809..4955		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o1.ts	Method	TBLASTX:Soybean
Start	6477	End	14759
GI	none	Score	124
Exons	6477..6581, 8651..8776, 9639..9794, 9640..10833, 9957..10370, 10422..10820, 13276..13386, 13280..13465, 13280..13462, 13568..13723, 13569..13730, 13845..14759, 13877..14374, 14447..14737		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o1.tm	Method	TBLASTX:Maize
Start	6495	End	14390
GI	none	Score	75
Exons	6495..6578, 8669..8776, 9639..9794, 9640..9858, 9900..10289, 9901..10314, 10324..10464, 13298..13483, 13568..13735, 13569..13733, 13845..14240, 13898..14233, 14210..14383, 14247..14390		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o5.tc	Method	TBLASTX:Cress
Start	8663	End	13733
GI	none	Score	99
Exons	8663..8770, 9639..9878, 9640..9873, 13301..13483, 13568..13669, 13569..13733		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o1.tc	Method	TBLASTX:Cress
Start	9987	End	15023
GI	none	Score	971
Exons	9987..10367, 9994..10845, 10419..10808, 10618..10824, 10834..11097, 10869..11096, 13910..14326, 13911..14771, 14388..14429, 14471..14743, 14760..15023, 14795..15022		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852

Name	OJ990502_31.9A15.C18.o2.tw	Method	TBLASTX:Wheat
Start	10002	End	14098
GI	none	Score	88
Exons	10002..10076, 10002..10169, 10003..10173, 13928..14098, 13929..14093		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o1.tw	Method	TBLASTX:Wheat
Start	10324	End	14471
GI	none	Score	227
Exons	10324..10545, 10326..10523, 14247..14471, 14325..14426		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o2.tm	Method	TBLASTX:Maize
Start	10531	End	14990
GI	none	Score	96
Exons	10531..10683, 10569..10646, 10680..10895, 10681..10761, 10819..10920, 10918..11079, 10932..11063, 14466..14603, 14477..14602, 14613..14741, 14615..14845, 14616..14846, 14841..14990, 14843..14989		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o4.ts	Method	TBLASTX:Soybean
Start	10885	End	15038
GI	none	Score	272
Exons	10885..11106, 10887..11096, 14811..15038, 14813..15022		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o7.tm	Method	TBLASTX:Maize
Start	16174	End	17835
GI	none	Score	77
Exons	16174..16290, 16176..16289, 16198..16290, 16380..16469, 16380..16460, 16400..16486, 16455..16505, 16462..16506, 17611..17661, 17612..17683, 17649..17807, 17649..17807, 17651..17812, 17653..17823, 17653..17835		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o2.ts	Method	TBLASTX:Soybean
Start	16392	End	18186
GI	none	Score	168
Exons	16392..16460, 17614..18186, 17618..18130		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o4.tc	Method	TBLASTX:Cress
Start	17602	End	18168

GI	none	Score	63
Exons	17602..17697, 17728..18108, 17771..17884, 17951..18097, 18115..18168		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o8.tm	Method	TBLASTX:Maize
Start	17968	End	18166
GI	none	Score	90
Exons	17968..18087, 17981..18088, 18079..18165, 18080..18166		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o6.gs	Method	GENSCAN
Start	19137	End	23652
GI	none	Score	.7
Exons	19137..19308, 19398..19472, 19665..19704, 20057..20178, 20453..20578, 21906..21987, 22737..22869, 23010..23106, 23378..23652		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o5.ts	Method	TBLASTX:Soybean
Start	19203	End	19477
GI	none	Score	112
Exons	19203..19307, 19204..19308, 19397..19477, 19431..19472		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o5.tm	Method	TBLASTX:Maize
Start	19218	End	19492
GI	none	Score	80
Exons	19218..19307, 19219..19308, 19221..19307, 19222..19308, 19393..19473, 19397..19492, 19397..19492		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o5.np	Method	AAT/NAP
Start	20001	End	23852
GI	6691197	Score	868
Exons	20001..20178, 20453..20578, 21906..22006, 22676..22869, 23010..23088, 23823..23852		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o3.tm	Method	TBLASTX:Maize
Start	20055	End	22186
GI	none	Score	80
Exons	20055..20141, 20055..20138, 20056..20163, 20065..20139, 20123..20179, 20130..20177, 20132..20179, 20448..20579,		

20452..20580, 20452..20577, 20453..20608, 20453..20578,
20666..20752, 20667..20753, 20670..20753, 21887..21991,
21906..21992, 21907..21993, 21908..21991, 22125..22184,
22151..22186

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o3.tc	Method	TBLASTX:Cress
Start	20070	End	21991
GI	none	Score	165
Exons	20070..20177, 20071..20178, 20071..20178, 20072..20179, 20073..20180, 20452..20577, 20453..20578, 20475..20588, 20666..20752, 20667..20753, 20671..20760, 21902..21991, 21908..21991		

Seq. No.	4803	Seq. ID	OJ990502_31.9A15.C18
Gene No.	10007	Strand	-
Start	19137	End	23852
Name	OJ990502_31.9A15.C18.o4.tm	Method	TBLASTX:Maize
Start	22688	End	23098
GI	none	Score	197
Exons	22688..22870, 22693..22872, 22981..23097, 22996..23091, 23012..23098		

Seq. No.	4804	Seq. ID	OJ990502_31.9A15.C19
Gene No.	10008	Strand	-
Start	265	End	522
Name	OJ990502_31.9A15.C19.o1.gs	Method	GENSCAN
Start	265	End	522
GI	none	Score	.59
Exons	265..522		

Seq. No.	4805	Seq. ID	OJ990612_34.9A01.C2
Gene No.	10009	Strand	+
Start	869	End	2027
Name	OJ990612_34.9A01.C2.o2.gs	Method	GENSCAN
Start	869	End	2027
GI	none	Score	.54
Exons	869..902, 968..1080, 1965..2027		

Seq. No.	4805	Seq. ID	OJ990612_34.9A01.C2
Gene No.	10010	Strand	-
Start	1	End	479
Name	OJ990612_34.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	479
GI	1171577	Score	387
Exons	1..479		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	4805	Seq. ID	OJ990612_34.9A01.C2
Gene No.	10010	Strand	-
Start	1	End	479
Name	OJ990612_34.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	31	End	458
GI	none	Score	105
Exons	31..123, 151..186, 190..318, 195..317, 300..458		

Seq. No.	4805	Seq. ID	OJ990612_34.9A01.C2
Gene No.	10010	Strand	-
Start	1	End	479
Name	OJ990612_34.9A01.C2.o1.gs	Method	GENSCAN
Start	34	End	461
GI	none	Score	.88
Exons	34..183, 222..461		

Seq. No.	4805	Seq. ID	OJ990612_34.9A01.C2
Gene No.	10010	Strand	-
Start	1	End	479
Name	OJ990612_34.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	196	End	464
GI	none	Score	72
Exons	196..267, 231..299, 232..312, 306..464, 307..387		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10011	Strand	+
Start	122	End	5211
Name	OJ990612_34.9A01.C3.o1.gs	Method	GENSCAN
Start	122	End	4973
GI	none	Score	.85
Exons	122..280, 1324..1397, 3359..3508, 3615..3900, 4295..4528, 4665..4973		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10011	Strand	+
Start	122	End	5211
Name	OJ990612_34.9A01.C3.o1.np	Method	AAT/NAP
Start	125	End	5032
GI	6671963	Score	1050
Exons	125..280, 1324..1397, 3359..3508, 3615..3900, 4295..4528, 4665..5032		
GI Descrip.	(AC013454) unknown protein [Arabidopsis thaliana]		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10011	Strand	+
Start	122	End	5211
Name	OJ990612_34.9A01.C3.o1.gp	Method	AAT/GAP
Start	3409	End	4345
GI	3548925	Score	792
Exons	3409..3508, 3615..3900, 4295..4345		
GI Descrip.	3047085 5.0e-54 (AF058914) No definition line found [Arabidopsis thaliana]		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10011	Strand	+
Start	122	End	5211
Name	OJ990612_34.9A01.C3.o2.gp	Method	AAT/GAP
Start	4925	End	5211
GI	LIB3434-062-P1-K1-A12	Score	273
Exons	4925..5211		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3

Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	209	End	4839
GI	none	Score	117
Exons	209..283, 1293..1397, 1315..1398, 1324..1407, 3336..3509, 3356..3508, 3360..3512, 3361..3510, 3615..3890, 3615..3899, 3616..3900, 4288..4527, 4292..4528, 4292..4528, 4654..4698, 4662..4715, 4705..4839		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	3455	End	4447
GI	none	Score	77
Exons	3455..3508, 3456..3509, 3615..3899, 3616..3900, 4288..4440, 4288..4446, 4292..4447		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	3660	End	4486
GI	none	Score	267
Exons	3660..3899, 3673..3900, 3676..3900, 4288..4449, 4288..4437, 4292..4486		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o2.np	Method	AAT/NAP
Start	4463	End	10583
GI	5042169	Score	223
Exons	4463..4560, 6314..7212, 10540..10583		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o2.gs	Method	GENSCAN
Start	6283	End	7590
GI	none	Score	.97
Exons	6283..7590		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	6284	End	6509
GI	none	Score	152
Exons	6284..6415, 6284..6421, 6421..6507, 6423..6497, 6429..6509		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o2.tm	Method	TBLASTX:Maize

Start	6724	End	7138
GI	none	Score	42
Exons	6724..6795, 6725..6751, 6790..7122, 6802..7125, 6983..7138		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o3.np	Method	AAT/NAP
Start	7886	End	10208
GI	6721512	Score	87
Exons	7886..7985, 10166..10208		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4806	Seq. ID	OJ990612_34.9A01.C3
Gene No.	10012	Strand	-
Start	4463	End	10583
Name	OJ990612_34.9A01.C3.o4.np	Method	AAT/NAP
Start	7944	End	8900
GI	6498436	Score	110
Exons	7944..7991, 8378..8473, 8601..8900		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	4807	Seq. ID	OJ990612_34.9A01.C4
Gene No.	10013	Strand	+
Start	1	End	13840
Name	OJ990612_34.9A01.C4.o1.np	Method	AAT/NAP
Start	1	End	13840
GI	4539396	Score	289
Exons	1..34, 5297..5352, 5462..5588, 6261..6530, 13801..13840		
GI Descrip.	(AL035526) myb-like protein [Arabidopsis thaliana] gi|5823339|gb|AAD53108.1|AF176003_1 (AF176003) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	4807	Seq. ID	OJ990612_34.9A01.C4
Gene No.	10013	Strand	+
Start	1	End	13840
Name	OJ990612_34.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	10245	End	10707
GI	none	Score	75
Exons	10245..10313, 10245..10340, 10258..10344, 10378..10518, 10400..10648, 10401..10655, 10401..10658, 10660..10707, 10663..10707		

Seq. No.	4807	Seq. ID	OJ990612_34.9A01.C4
Gene No.	10013	Strand	+
Start	1	End	13840
Name	OJ990612_34.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	10707	End	10980
GI	none	Score	97
Exons	10707..10790, 10708..10791, 10710..10802, 10813..10899, 10813..10899, 10897..10980, 10905..10979		

Seq. No.	4807	Seq. ID	OJ990612_34.9A01.C4
Gene No.	10013	Strand	+
Start	1	End	13840
Name	OJ990612_34.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	10990	End	11671

GI	none	Score	473
Exons	10990..11376, 11025..11387, 11383..11565, 11396..11569, 11399..11590, 11400..11591, 11454..11591, 11591..11635, 11592..11639, 11592..11639, 11612..11671		

Seq. No.	4808	Seq. ID	OJ990612_34.9A01.C5
Gene No.	10014	Strand	+
Start	1159	End	1749
Name	OJ990612_34.9A01.C5.o1.gs	Method	GENSCAN
Start	1159	End	1749
GI	none	Score	.99
Exons	1159..1749		

Seq. No.	4808	Seq. ID	OJ990612_34.9A01.C5
Gene No.	10015	Strand	-
Start	2543	End	3556
Name	OJ990612_34.9A01.C5.o2.gs	Method	GENSCAN
Start	2543	End	3556
GI	none	Score	.98
Exons	2543..2625, 2812..2886, 3202..3556		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10016	Strand	+
Start	110	End	601
Name	OJ990612_34.9A01.C6.o1.gs	Method	GENSCAN
Start	110	End	601
GI	none	Score	.61
Exons	110..415, 498..601		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10017	Strand	+
Start	1895	End	2192
Name	OJ990612_34.9A01.C6.o2.gs	Method	GENSCAN
Start	1895	End	2192
GI	none	Score	.57
Exons	1895..1957, 2181..2192		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10018	Strand	+
Start	7797	End	10723
Name	OJ990612_34.9A01.C6.o4.gs	Method	GENSCAN
Start	7797	End	10578
GI	none	Score	.8
Exons	7797..7810, 7925..8038, 8044..8129, 8242..8420, 9199..9379, 9654..9713, 9856..10046, 10198..10302, 10390..10578		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10018	Strand	+
Start	7797	End	10723
Name	OJ990612_34.9A01.C6.o1.gp	Method	AAT/GAP
Start	8278	End	10723
GI	53645_1.R1084	Score	1462
Exons	8278..8379, 9654..9713, 9856..10046, 10198..10302, 10390..10723		
GI Descrip.	'3204108/emb|CAA07230| 1.0e-81 (AJ006764) putative deoxycytidylate deaminase [Cicer arietinum]'		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6

Gene No.	10018	Strand	+
Start	7797	End	10723
Name	OJ990612_34.9A01.C6.o1.np	Method	AAT/NAP
Start	9638	End	10575
GI	3204108	Score	786
Exons	9638..9713, 9856..10046, 10198..10302, 10390..10575		
GI Descrip.	(AJ006764) putative deoxycytidylate deaminase [Cicer arietinum]		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10019	Strand	+
Start	14810	End	16309
Name	OJ990612_34.9A01.C6.o6.gs	Method	GENSCAN
Start	14810	End	16309
GI	none	Score	.58
Exons	14810..15501, 16282..16309		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10020	Strand	-
Start	3442	End	7397
Name	OJ990612_34.9A01.C6.o3.gs	Method	GENSCAN
Start	3442	End	7397
GI	none	Score	.47
Exons	3442..3633, 5007..5229, 5243..5433, 7209..7325, 7341..7397		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10021	Strand	-
Start	11804	End	14515
Name	OJ990612_34.9A01.C6.o5.gs	Method	GENSCAN
Start	11804	End	14515
GI	none	Score	.58
Exons	11804..12531, 12960..13030, 13127..13301, 13398..13518, 13815..13941, 14027..14135, 14332..14515		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10021	Strand	-
Start	11804	End	14515
Name	OJ990612_34.9A01.C6.o2.np	Method	AAT/NAP
Start	11832	End	14147
GI	6899921	Score	1310
Exons	11832..12531, 12960..13030, 13127..13301, 13398..13515, 13815..14147		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10021	Strand	-
Start	11804	End	14515
Name	OJ990612_34.9A01.C6.o2.gp	Method	AAT/GAP
Start	12509	End	13867
GI	LIB3434-031-P1-K1-G3	Score	737
Exons	12509..12531, 12960..13030, 13127..13301, 13398..13518, 13815..13867		
GI Descrip.	'4454051/emb|CAA23048.1| 2.0e-47 (AL035394) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230

Name	OJ990612_34.9A01.C6.o2.tc	Method	TBLASTX:Cress
Start	9637	End	10578
GI	none	Score	79
Exons	9637..9708, 9656..9712, 9832..10029, 9853..10023, 9854..10045, 9855..10046, 10171..10302, 10197..10292, 10377..10577, 10378..10578		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	9647	End	10588
GI	none	Score	111
Exons	9647..9715, 9652..9702, 9654..9716, 9854..10045, 9855..10046, 9855..10046, 10138..10302, 10197..10301, 10360..10530, 10377..10580, 10389..10580, 10433..10588		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	9653	End	10580
GI	none	Score	85
Exons	9653..9712, 9854..10045, 9855..10046, 9859..10047, 10162..10290, 10171..10302, 10197..10301, 10377..10580, 10378..10578		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	10171	End	10540
GI	none	Score	195
Exons	10171..10302, 10196..10300, 10197..10301, 10387..10527, 10389..10532, 10389..10538, 10433..10540		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	11849	End	13953
GI	none	Score	412
Exons	11849..12535, 11849..12535, 11868..12536, 12148..12537, 12154..12537, 12961..13029, 12962..13033, 12977..13033, 13120..13308, 13121..13303, 13395..13535, 13396..13518, 13397..13537, 13818..13952, 13818..13952, 13819..13953		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	11963	End	13030
GI	none	Score	293
Exons	11963..12379, 11964..12374, 12377..12535, 12387..12536, 12961..13029, 12962..13030		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-

Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	12020	End	12283
GI	none	Score	133
Exons	12020..12280, 12036..12281, 12041..12283		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	12068	End	12533
GI	none	Score	212
Exons	12068..12532, 12069..12377, 12314..12520, 12441..12533		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o3.tc	Method	TBLASTX:Cress
Start	12961	End	13516
GI	none	Score	61
Exons	12961..13020, 12961..13026, 13120..13302, 13129..13218, 13402..13500, 13403..13516		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	13120	End	14043
GI	none	Score	60
Exons	13120..13218, 13127..13294, 13132..13308, 13136..13303, 13273..13305, 13396..13521, 13397..13510, 13815..14036, 13831..14016, 13834..14043		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	13121	End	13518
GI	none	Score	83
Exons	13121..13303, 13126..13308, 13394..13504, 13396..13518		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o4.tc	Method	TBLASTX:Cress
Start	13833	End	14049
GI	none	Score	215
Exons	13833..14048, 13834..14049		

Seq. No.	4809	Seq. ID	OJ990612_34.9A01.C6
Gene No.	10022	Strand	-
Start	16633	End	19230
Name	OJ990612_34.9A01.C6.o7.gs	Method	GENSCAN
Start	16633	End	19230
GI	none	Score	.74
Exons	16633..16726, 17823..17914, 18392..18591, 18645..18886, 19069..19230		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10023	Strand	+
Start	5779	End	6160
Name	OJ990612_34.9A01.C7.o1.gp	Method	AAT/GAP
Start	5779	End	6160
GI	uC-osflcyp033a04b1	Score	663
Exons	5779..6160		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10024	Strand	+
Start	9598	End	10451
Name	OJ990612_34.9A01.C7.o2.gs	Method	GENSCAN
Start	9598	End	10451
GI	none	Score	.76
Exons	9598..9954, 10299..10451		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10025	Strand	+
Start	10809	End	14159
Name	OJ990612_34.9A01.C7.o3.gs	Method	GENSCAN
Start	10809	End	14159
GI	none	Score	.67
Exons	10809..10940, 11028..12313, 12503..12759, 12829..13125, 13324..13471, 13595..13715, 13824..14159		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10025	Strand	+
Start	10809	End	14159
Name	OJ990612_34.9A01.C7.o1.np	Method	AAT/NAP
Start	11037	End	14156
GI	5902445	Score	3071
Exons	11037..12875, 12915..14156		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10026	Strand	+
Start	20617	End	24264
Name	OJ990612_34.9A01.C7.o3.np	Method	AAT/NAP
Start	20617	End	24264
GI	6063554	Score	376
Exons	20617..20679, 22616..22893, 23011..23234, 23427..23454, 24090..24264		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10027	Strand	+
Start	25205	End	28834
Name	OJ990612_34.9A01.C7.o6.gs	Method	GENSCAN
Start	25205	End	28792
GI	none	Score	.45
Exons	25205..25219, 25564..25669, 25827..26121, 27442..27583, 28215..28792		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10027	Strand	+
Start	25205	End	28834
Name	OJ990612_34.9A01.C7.o5.np	Method	AAT/NAP
Start	28281	End	28834
GI	5042448	Score	909
Exons	28281..28834		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10028	Strand	-
Start	14801	End	22045
Name	OJ990612_34.9A01.C7.o4.gs	Method	GENSCAN
Start	14801	End	22045
GI	none	Score	.66
Exons	14801..15288, 15387..15530, 15667..16082, 16093..16347, 16418..16476, 16583..16726, 16794..16918, 17085..17747, 18391..18508, 18907..19232, 19353..19779, 19810..20080, 20462..20816, 20897..21193, 21273..21323, 21674..21769, 21988..22045		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10028	Strand	-
Start	14801	End	22045
Name	OJ990612_34.9A01.C7.o2.np	Method	AAT/NAP
Start	17179	End	21236
GI	4680183	Score	2725
Exons	17179..17202, 18419..18496, 18883..21236		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10029	Strand	-
Start	22986	End	24069
Name	OJ990612_34.9A01.C7.o5.gs	Method	GENSCAN
Start	22986	End	24069
GI	none	Score	.88
Exons	22986..23194, 23991..24069		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o6.tw	Method	TBLASTX:Wheat
Start	7350	End	26920
GI	none	Score	146
Exons	7350..7532, 7358..7531, 7569..7724, 7571..7723, 7575..7730, 18880..18960, 26795..26920		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	10982	End	11438
GI	none	Score	554
Exons	10982..11437, 10983..11438		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o2.ts	Method	TBLASTX:Soybean
Start	11022	End	11387
GI	none	Score	107
Exons	11022..11246, 11253..11387		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	11112	End	11468
GI	none	Score	410
Exons	11112..11468, 11166..11342, 11174..11467		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	11520	End	11879
GI	none	Score	318
Exons	11520..11879, 11530..11625, 11600..11878		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	11553	End	11977
GI	none	Score	465
Exons	11553..11975, 11553..11942, 11600..11977		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	11607	End	12032
GI	none	Score	304
Exons	11607..12032, 11639..11791		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o5.tw	Method	TBLASTX:Wheat
Start	12122	End	12530
GI	none	Score	202
Exons	12122..12349, 12123..12347, 12162..12350, 12357..12530, 12450..12530		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o3.ts	Method	TBLASTX:Soybean
Start	12246	End	12617
GI	none	Score	75
Exons	12246..12371, 12381..12617		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	13035	End	13337
GI	none	Score	348
Exons	13035..13337, 13049..13303		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o4.tw	Method	TBLASTX:Wheat
Start	13035	End	13415
GI	none	Score	365
Exons	13035..13415, 13040..13315, 13370..13414		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o3.tw	Method	TBLASTX:Wheat
Start	13536	End	14147
GI	none	Score	344
Exons	13536..13991, 13553..13639, 13688..13795, 14016..14147, 14021..14146		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	13863	End	14111
GI	none	Score	150
Exons	13863..14027, 14028..14111		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o7.tw	Method	TBLASTX:Wheat
Start	19540	End	19942
GI	none	Score	94
Exons	19540..19941, 19634..19774, 19895..19942		

Seq. No.	4810	Seq. ID	OJ990612_34.9A01.C7
Gene No.	10030	Strand	-
Start	26739	End	28834
Name	OJ990612_34.9A01.C7.o4.np	Method	AAT/NAP
Start	26739	End	28834
GI	4680183	Score	211
Exons	26739..26828, 27437..27503, 28809..28834		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10031	Strand	+
Start	1	End	305
Name	OJ990612_34.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	305
GI	5042448	Score	441
Exons	1..305		

GI Descrip. (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o2.np	Method	AAT/NAP
Start	558	End	5105
GI	4680179	Score	7551
Exons	558..5105		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o7.tw	Method	TBLASTX:Wheat
Start	825	End	1184
GI	none	Score	304
Exons	825..1184, 851..925, 950..1183		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o8.tm	Method	TBLASTX:Maize
Start	1065	End	1361
GI	none	Score	198
Exons	1065..1361, 1065..1349, 1082..1252		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o8.tw	Method	TBLASTX:Wheat
Start	1704	End	2120
GI	none	Score	152
Exons	1704..1898, 1707..1850, 1721..1852, 1938..2120, 1964..2119		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o9.tm	Method	TBLASTX:Maize
Start	1745	End	2021
GI	none	Score	180
Exons	1745..1846, 1746..2021		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o4.tw	Method	TBLASTX:Wheat
Start	2283	End	2751
GI	none	Score	427
Exons	2283..2666, 2387..2641, 2653..2751		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o5.tm	Method	TBLASTX:Maize
Start	2295	End	2584

GI	none	Score	318
Exons	2295..2582, 2326..2553, 2393..2584		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o4.tm	Method	TBLASTX:Maize
Start	2656	End	3138
GI	none	Score	145
Exons	2656..2817, 2803..3138, 2889..3020, 2890..3132		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	2692	End	3087
GI	none	Score	57
Exons	2692..2724, 2692..2736, 2728..3087, 2728..2808, 2832..3086, 2983..3087		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o5.tw	Method	TBLASTX:Wheat
Start	2800	End	3102
GI	none	Score	383
Exons	2800..3102, 2801..2902, 2832..3101		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o2.tw	Method	TBLASTX:Wheat
Start	3103	End	3611
GI	none	Score	188
Exons	3103..3258, 3135..3251, 3237..3611, 3257..3520		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	3175	End	3532
GI	none	Score	102
Exons	3175..3258, 3177..3251, 3234..3527, 3257..3520, 3335..3532		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o3.tw	Method	TBLASTX:Wheat
Start	3615	End	4094
GI	none	Score	560
Exons	3615..4094, 3686..3787, 3807..3974, 3838..3984, 3839..4093		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o6.tm	Method	TBLASTX:Maize
Start	3744	End	4058

GI	none	Score	267
Exons	3744..4058, 3825..4046, 3854..4057		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	3801	End	4118
GI	none	Score	89
Exons	3801..3974, 3983..4111, 3984..4118		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o2.ts	Method	TBLASTX:Soybean
Start	3882	End	4142
GI	none	Score	286
Exons	3882..4142, 3887..4141		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o2.gs	Method	GENSCAN
Start	3906	End	6505
GI	none	Score	.67
Exons	3906..4970, 5417..5524, 5932..6105, 6148..6239, 6284..6366, 6420..6505		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o3.tm	Method	TBLASTX:Maize
Start	4059	End	4351
GI	none	Score	395
Exons	4059..4349, 4070..4351		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	4101	End	4727
GI	none	Score	674
Exons	4101..4727, 4103..4726		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	4352	End	4808
GI	none	Score	513
Exons	4352..4780, 4353..4808		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o6.tw	Method	TBLASTX:Wheat
Start	4728	End	5060

GI	none	Score	357
Exons	4728..5060, 4755..4835, 4820..4996		

Seq. No.	4811	Seq. ID	OJ990612_34.9A01.C8
Gene No.	10032	Strand	+
Start	558	End	6505
Name	OJ990612_34.9A01.C8.o7.tm	Method	TBLASTX:Maize
Start	4815	End	5048
GI	none	Score	224
Exons	4815..5048, 4823..4927		

Seq. No.	4812	Seq. ID	OJ990612_34.9A01.C9
Gene No.	10033	Strand	+
Start	388	End	1490
Name	OJ990612_34.9A01.C9.o1.gs	Method	GENSCAN
Start	388	End	1490
GI	none	Score	.62
Exons	388..480, 1331..1490		

Seq. No.	4812	Seq. ID	OJ990612_34.9A01.C9
Gene No.	10034	Strand	-
Start	1	End	111
Name	OJ990612_34.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	111
GI	4680183	Score	64
Exons	1..111		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4813	Seq. ID	OJ990612_34.9A01.C10
Gene No.	10035	Strand	+
Start	104	End	1810
Name	OJ990612_34.9A01.C10.o1.gs	Method	GENSCAN
Start	104	End	1810
GI	none	Score	.63
Exons	104..308, 545..617, 1267..1564, 1705..1810		

Seq. No.	4813	Seq. ID	OJ990612_34.9A01.C10
Gene No.	10036	Strand	-
Start	5424	End	7241
Name	OJ990612_34.9A01.C10.o3.gs	Method	GENSCAN
Start	5424	End	7241
GI	none	Score	.55
Exons	5424..5642, 6339..6460, 7226..7241		

Seq. No.	4813	Seq. ID	OJ990612_34.9A01.C10
Gene No.	10037	Strand	-
Start	7349	End	7436
Name	OJ990612_34.9A01.C10.o1.gp	Method	AAT/GAP
Start	7349	End	7436
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	7349..7436		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10038	Strand	+

Start	23	End	4268
Name	OJ990612_34.9A01.C11.o1.gp	Method	AAT/GAP
Start	23	End	4172
GI	1074_1.R1084	Score	2845
Exons	23..238, 1278..1385, 1460..1652, 1738..1996, 2078..2134, 2360..2407, 2498..2584, 2670..2727, 2818..2885, 2993..3088, 3171..3218, 3585..3623, 3709..3795, 3894..4172		
GI Descrip.	'1076791/pir||S49818 0.0e+00 calcium-binding protein - maize >gi_2119370_pir__S58170 Calreticulin precursor - maize >gi_577612_emb_CAA86728_ (Z46772) calcium-binding protein [Zea mays] >gi_927572_emb_CAA61939_ (X89813) Calreticulin precursor [Zea mays] >gi_1587033_prf__2205314A calreticulin [Zea mays]'		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10038	Strand	+
Start	23	End	4268
Name	OJ990612_34.9A01.C11.o1.np	Method	AAT/NAP
Start	124	End	3804
GI	6682833	Score	1835
Exons	124..238, 1278..1385, 1460..1652, 1738..1996, 2078..2134, 2360..2407, 2498..2584, 2670..2727, 2818..2885, 2993..3088, 3171..3218, 3585..3623, 3709..3804		
GI Descrip.	(AB021259) calcium-binding protein [Oryza sativa]		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10038	Strand	+
Start	23	End	4268
Name	OJ990612_34.9A01.C11.o1.gs	Method	GENSCAN
Start	124	End	4268
GI	none	Score	.92
Exons	124..238, 1278..1385, 1460..1652, 1738..1996, 2078..2134, 2360..2407, 2498..2584, 2670..2727, 2818..2885, 2993..3088, 3171..3218, 3585..3623, 3709..3795, 4203..4268		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10039	Strand	+
Start	4464	End	5769
Name	OJ990612_34.9A01.C11.o2.np	Method	AAT/NAP
Start	4464	End	5769
GI	6815099	Score	81
Exons	4464..4490, 5638..5769		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10040	Strand	-
Start	6940	End	8960
Name	OJ990612_34.9A01.C11.o2.gp	Method	AAT/GAP
Start	6655	End	8960
GI	76626_1.R1084	Score	2631
Exons	6655..7932, 8866..8960		
GI Descrip.	'3047085 5.0e-54 (AF058914) No definition line found [Arabidopsis thaliana]'		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10040	Strand	-
Start	6940	End	8960
Name	OJ990612_34.9A01.C11.o2.gs	Method	GENSCAN

Start	6940	End	7887
GI	none	Score	.75
Exons	6940..7887		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10040	Strand	-
Start	6940	End	8960
Name	OJ990612_34.9A01.C11.o3.np	Method	AAT/NAP
Start	6985	End	7887
GI	3150415	Score	1112
Exons	6985..7887		
GI Descrip.	(AC004165) putative protein transport protein SEC13 [Arabidopsis thaliana]		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	49	End	2765
GI	none	Score	41
Exons	49..117, 208..246, 1269..1388, 1277..1387, 1457..1651, 1458..1661, 1459..1650, 1720..1791, 1721..1996, 1734..1994, 1735..1995, 2075..2146, 2076..2120, 2358..2390, 2372..2407, 2372..2416, 2495..2536, 2496..2537, 2497..2538, 2539..2589, 2540..2587, 2634..2765, 2635..2739, 2636..2740, 2643..2747		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o6.tw	Method	TBLASTX:Wheat
Start	1269	End	1551
GI	none	Score	214
Exons	1269..1388, 1277..1387, 1457..1549, 1458..1529, 1458..1550, 1459..1551		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	1276	End	3090
GI	none	Score	183
Exons	1276..1359, 1277..1387, 1457..1651, 1458..1661, 1459..1650, 1459..1668, 1584..1664, 1720..1986, 1720..1995, 1730..1996, 1736..1996, 2075..2134, 2075..2101, 2076..2132, 2360..2407, 2375..2407, 2473..2577, 2493..2579, 2495..2584, 2496..2579, 2497..2580, 2534..2584, 2667..2726, 2672..2725, 2693..2725, 2816..2887, 2817..2888, 2817..2888, 2989..3039, 2990..3061, 3067..3090		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	1276	End	3222
GI	none	Score	200
Exons	1276..1365, 1277..1387, 1284..1388, 1451..1534, 1457..1531, 1458..1535, 1458..1661, 1459..1650, 1581..1664, 1735..1995,		

1736..1996, 1739..1999, 1964..1996, 2075..2116, 2075..2101,
2114..2134, 2357..2407, 2493..2576, 2495..2584, 2496..2585,
2651..2683, 2666..2725, 2667..2726, 2667..2726, 2668..2730,
2673..2726, 2679..2723, 2815..2886, 2816..2887, 2817..2888,
2817..2888, 2989..3087, 2990..3088, 2991..3089, 3172..3222

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o5.tw	Method	TBLASTX:Wheat
Start	1918	End	3037
GI	none	Score	137

Exons 1918..1995, 1919..1996, 1920..2000, 1964..1996, 2075..2134,
2075..2101, 2076..2135, 2077..2136, 2357..2407, 2357..2422,
2375..2422, 2493..2582, 2495..2584, 2496..2585, 2666..2725,
2667..2726, 2667..2726, 2668..2727, 2669..2728, 2673..2726,
2815..2895, 2817..2888, 2989..3036, 2990..3037

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o6.tm	Method	TBLASTX:Maize
Start	2816	End	3088
GI	none	Score	133

Exons 2816..2887, 2817..2888, 2817..2891, 2973..3086, 2974..3087,
2981..3088

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	6980	End	7887
GI	none	Score	254

Exons 6980..7264, 6985..7383, 6988..7371, 7045..7206, 7364..7453,
7366..7452, 7443..7607, 7451..7750, 7453..7803, 7454..7783,
7498..7668, 7600..7677, 7690..7818, 7690..7713, 7753..7887,
7778..7855

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	6985	End	7713
GI	none	Score	254

Exons 6985..7311, 6986..7264, 7498..7668, 7600..7677, 7690..7713

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	7000	End	7921
GI	none	Score	113

Exons 7000..7080, 7087..7212, 7087..7110, 7250..7387, 7251..7382,
7252..7383, 7252..7404, 7261..7332, 7378..7917, 7379..7921

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-

Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	7003	End	7887
GI	none	Score	327
Exons	7003..7080, 7045..7206, 7087..7206, 7381..7680, 7399..7749, 7400..7750, 7741..7887, 7778..7876		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o8.tw	Method	TBLASTX:Wheat
Start	7312	End	7474
GI	none	Score	181
Exons	7312..7473, 7313..7474		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o4.np	Method	AAT/NAP
Start	9926	End	15067
GI	5042447	Score	3213
Exons	9926..9980, 11227..13280, 15034..15067		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o7.tw	Method	TBLASTX:Wheat
Start	11244	End	11513
GI	none	Score	100
Exons	11244..11513, 11247..11480		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	11517	End	12023
GI	none	Score	235
Exons	11517..12023, 11601..11948, 11683..11994		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	11596	End	11954
GI	none	Score	46
Exons	11596..11928, 11601..11954, 11608..11646, 11616..11951, 11686..11952		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	11775	End	12020
GI	none	Score	204
Exons	11775..12020		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o5.tm	Method	TBLASTX:Maize
Start	11955	End	12302
GI	none	Score	35
Exons	11955..12302, 11962..11991, 12031..12216, 12036..12239		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o4.tw	Method	TBLASTX:Wheat
Start	12025	End	12329
GI	none	Score	224
Exons	12025..12285, 12027..12299, 12036..12329, 12239..12328		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	12042	End	12437
GI	none	Score	154
Exons	12042..12296, 12043..12288, 12171..12401, 12357..12401, 12405..12437, 12406..12435		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	12357	End	12791
GI	none	Score	68
Exons	12357..12791, 12550..12780		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	12378	End	12860
GI	none	Score	269
Exons	12378..12860, 12421..12783		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o5.np	Method	AAT/NAP
Start	12532	End	12790
GI	4680183	Score	121
Exons	12532..12790		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4814	Seq. ID	OJ990612_34.9A01.C11
Gene No.	10041	Strand	-
Start	9926	End	15067
Name	OJ990612_34.9A01.C11.o9.tw	Method	TBLASTX:Wheat
Start	12864	End	13211
GI	none	Score	126
Exons	12864..12977, 13041..13211		

Seq. No.	4815	Seq. ID	OJ990612_34.9A01.C12
Gene No.	10042	Strand	+
Start	166	End	347
Name	OJ990612_34.9A01.C12.o1.gs	Method	GENSCAN
Start	166	End	347
GI	none	Score	.67
Exons	166..347		

Seq. No.	4816	Seq. ID	OJ990612_36.9A05.C2
Gene No.	10043	Strand	-
Start	1	End	210
Name	OJ990612_36.9A05.C2.o1.np	Method	AAT/NAP
Start	1	End	210
GI	1707855	Score	156
Exons	1..210		
GI Descrip.	(Y09292) obtusifoliol 14-alpha-demethylase [Triticum aestivum]		

Seq. No.	4817	Seq. ID	OJ990612_36.9A05.C3
Gene No.	10044	Strand	+
Start	1	End	279
Name	OJ990612_36.9A05.C3.o1.gp	Method	AAT/GAP
Start	1	End	279
GI	72524_1.R1084	Score	372
Exons	1..279		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4817	Seq. ID	OJ990612_36.9A05.C3
Gene No.	10045	Strand	-
Start	298	End	397
Name	OJ990612_36.9A05.C3.o1.gs	Method	GENSCAN
Start	298	End	397
GI	none	Score	.87
Exons	298..397		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10046	Strand	+
Start	3306	End	4302
Name	OJ990612_36.9A05.C4.o2.gs	Method	GENSCAN
Start	3306	End	4302
GI	none	Score	.54
Exons	3306..3493, 4230..4302		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10046	Strand	+
Start	3306	End	4302
Name	OJ990612_36.9A05.C4.o1.gp	Method	AAT/GAP
Start	3744	End	3836
GI	5867_1.R1084	Score	127
Exons	3744..3836		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)		

ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10047	Strand	+
Start	7136	End	9881
Name	OJ990612_36.9A05.C4.o2.np	Method	AAT/NAP
Start	7124	End	9881
GI	3668093	Score	801
Exons	7124..7944, 9703..9881		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10047	Strand	+
Start	7136	End	9881
Name	OJ990612_36.9A05.C4.o3.gs	Method	GENSCAN
Start	7136	End	7983
GI	none	Score	.65
Exons	7136..7351, 7360..7983		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10048	Strand	-
Start	380	End	2306
Name	OJ990612_36.9A05.C4.o1.np	Method	AAT/NAP
Start	380	End	2306
GI	6862950	Score	333
Exons	380..461, 1374..1807, 2217..2306		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10048	Strand	-
Start	380	End	2306
Name	OJ990612_36.9A05.C4.o1.gs	Method	GENSCAN
Start	449	End	1960
GI	none	Score	.75
Exons	449..563, 1374..1960		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10048	Strand	-
Start	380	End	2306
Name	OJ990612_36.9A05.C4.o1.ts	Method	TBLASTX:Soybean
Start	1499	End	1789
GI	none	Score	198
Exons	1499..1789		

Seq. No.	4818	Seq. ID	OJ990612_36.9A05.C4
Gene No.	10049	Strand	
Start	7763	End	9881
Name	OJ990612_36.9A05.C4.o1.tm	Method	TBLASTX:Maize
Start	7763	End	9881
GI	none	Score	116
Exons	7763..7879, 7763..7873, 7764..7943, 7765..7944, 7765..7944, 7911..7946, 9700..9876, 9702..9878, 9702..9881, 9703..9879		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10050	Strand	+
Start	101	End	4045
Name	OJ990612_36.9A05.C5.o1.gs	Method	GENSCAN

Start	101	End	4045
GI	none	Score	.71
Exons	101..224, 1813..2354, 3048..3653, 3662..3904, 3965..4045		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10050	Strand	+
Start	101	End	4045
Name	OJ990612_36.9A05.C5.o1.np	Method	AAT/NAP
Start	782	End	4036
GI	4835788	Score	1068
Exons	782..834, 2051..2354, 3048..4036		
GI Descrip.	(AC007296) Strong similarity to gb|U74319 obtusifoliol 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF|00067 cytochrome P450 family. ESTs gb|AA72030, gb|N65031 and gb|AA651059 come from ...		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10050	Strand	+
Start	101	End	4045
Name	OJ990612_36.9A05.C5.o2.np	Method	AAT/NAP
Start	3738	End	4036
GI	2262164	Score	304
Exons	3738..4036		
GI Descrip.	(AC002329) putative obtusifoliol 14-alpha demethylase [Arabidopsis thaliana]		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10051	Strand	+
Start	4933	End	5664
Name	OJ990612_36.9A05.C5.o3.np	Method	AAT/NAP
Start	4933	End	5664
GI	4586676	Score	166
Exons	4933..5094, 5545..5664		
GI Descrip.	(AB025047) sterol 14-demethylase [Oryza sativa]		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705
Name	OJ990612_36.9A05.C5.o3.tc	Method	TBLASTX:Cress
Start	2049	End	5664
GI	none	Score	60
Exons	2049..2117, 2051..2113, 2126..2278, 2127..2354, 3042..3197, 3045..3098, 3170..3298, 3171..3323, 4969..5112, 4983..5111, 5545..5664, 5557..5664		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705
Name	OJ990612_36.9A05.C5.o1.tm	Method	TBLASTX:Maize
Start	3042	End	4033
GI	none	Score	175
Exons	3042..3197, 3047..3193, 3170..3520, 3171..3542, 3582..3713, 3582..3674, 3680..4033, 3793..4032		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705

Name	OJ990612_36.9A05.C5.o1.ts	Method	TBLASTX:Soybean
Start	3309	End	4036
GI	none	Score	137
Exons	3309..3458, 3338..3457, 3465..3542, 3582..3713, 3680..4036, 3682..3912, 3893..4033		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705
Name	OJ990612_36.9A05.C5.o2.tc	Method	TBLASTX:Cress
Start	3351	End	3695
GI	none	Score	177
Exons	3351..3542, 3365..3487, 3549..3695, 3549..3683		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705
Name	OJ990612_36.9A05.C5.o1.tc	Method	TBLASTX:Cress
Start	3761	End	4036
GI	none	Score	283
Exons	3761..4036, 3799..3912, 3800..4033		

Seq. No.	4819	Seq. ID	OJ990612_36.9A05.C5
Gene No.	10052	Strand	-
Start	4638	End	6705
Name	OJ990612_36.9A05.C5.o2.gs	Method	GENSCAN
Start	4638	End	6705
GI	none	Score	.46
Exons	4638..4721, 4995..5128, 6546..6705		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10053	Strand	+
Start	1	End	890
Name	OJ990612_36.9A05.C6.o1.np	Method	AAT/NAP
Start	1	End	890
GI	5921924	Score	465
Exons	1..608, 855..890		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10053	Strand	+
Start	1	End	890
Name	OJ990612_36.9A05.C6.o1.gs	Method	GENSCAN
Start	91	End	507
GI	none	Score	.59
Exons	91..507		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o2.np	Method	AAT/NAP
Start	1	End	3320
GI	5738362	Score	222
Exons	1..29, 1439..1593, 2802..2996, 3259..3320		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	611
GI	none	Score	92
Exons	2..67, 4..66, 142..285, 169..276, 300..410, 301..468, 436..492, 462..491, 498..611, 498..608		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	611
GI	none	Score	54
Exons	2..43, 47..67, 151..285, 301..468, 436..492, 459..497, 498..611, 510..608		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o1.gp	Method	AAT/GAP
Start	1088	End	2932
GI	5003489	Score	1221
Exons	1088..1593, 2802..2932		
GI Descrip.	5738362/emb|CAB52870.1| 2.0e-18 (AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o2.tm	Method	TBLASTX:Maize
Start	1089	End	3016
GI	none	Score	41
Exons	1089..1136, 1091..1144, 1229..1303, 1235..1303, 1334..1393, 1341..1394, 1342..1413, 1342..1413, 1376..1477, 1385..1591, 1407..1595, 1468..1593, 2791..2997, 2798..3016, 2799..2999		

Seq. No.	4820	Seq. ID	OJ990612_36.9A05.C6
Gene No.	10054	Strand	-
Start	1	End	3320
Name	OJ990612_36.9A05.C6.o2.gs	Method	GENSCAN
Start	1407	End	2996
GI	none	Score	.61
Exons	1407..1593, 2802..2996		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10055	Strand	+
Start	12154	End	12443
Name	OJ990612_36.9A05.C10.o3.gp	Method	AAT/GAP
Start	12154	End	12443
GI	1631908	Score	572
Exons	12154..12443		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10056	Strand	+

Start	12373	End	18019
Name	OJ990612_36.9A05.C10.o4.gs	Method	GENSCAN
Start	12373	End	18019
GI	none	Score	.64
Exons	12373..12598, 12834..13171, 13256..13951, 14166..14187, 14980..15168, 15360..15458, 17877..18019		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10056	Strand	+
Start	12373	End	18019
Name	OJ990612_36.9A05.C10.o5.gp	Method	AAT/GAP
Start	12539	End	13118
GI	3762088	Score	657
Exons	12539..12598, 12834..13118		
GI Descrip.	4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10057	Strand	-
Start	1518	End	13820
Name	OJ990612_36.9A05.C10.o1.np	Method	AAT/NAP
Start	1360	End	13820
GI	5091513	Score	2082
Exons	1360..1512, 2261..2474, 2596..3218, 3972..5125, 5711..5834, 13294..13460, 13543..13820		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10057	Strand	-
Start	1518	End	13820
Name	OJ990612_36.9A05.C10.o1.gs	Method	GENSCAN
Start	1518	End	5147
GI	none	Score	.51
Exons	1518..1915, 2010..2402, 2660..3309, 3893..4283, 4304..5147		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10057	Strand	-
Start	1518	End	13820
Name	OJ990612_36.9A05.C10.o2.gp	Method	AAT/GAP
Start	6030	End	6345
GI	72524_1.R1084	Score	422
Exons	6030..6345		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10057	Strand	-
Start	1518	End	13820
Name	OJ990612_36.9A05.C10.o2.gs	Method	GENSCAN
Start	7823	End	9178
GI	none	Score	.68
Exons	7823..8034, 8125..8265, 8953..9178		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10057	Strand	-
Start	1518	End	13820

Name	OJ990612_36.9A05.C10.o3.gs	Method	GENSCAN
Start	10886	End	12069
GI	none	Score	.94
Exons	10886..10948, 11214..11229, 11924..12069		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10058	Strand	-
Start	20002	End	22117
Name	OJ990612_36.9A05.C10.o5.gs	Method	GENSCAN
Start	20002	End	22117
GI	none	Score	.97
Exons	20002..20018, 20874..21008, 21141..21409, 22044..22117		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o1.tc	Method	TBLASTX:Cress
Start	12450	End	13297
GI	none	Score	247
Exons	12450..12629, 12451..12597, 12507..12599, 12823..12960, 12836..12988, 12986..13084, 12986..13078, 12988..13083, 13253..13297		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o10.tm	Method	TBLASTX:Maize
Start	12456	End	12597
GI	none	Score	211
Exons	12456..12596, 12457..12597		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o3.ts	Method	TBLASTX:Soybean
Start	12457	End	13086
GI	none	Score	222
Exons	12457..12597, 12459..12596, 12775..12972, 12836..12973, 12973..13086, 12974..13084		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o5.tw	Method	TBLASTX:Wheat
Start	12457	End	12597
GI	none	Score	200
Exons	12457..12597, 12459..12596		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o6.tm	Method	TBLASTX:Maize
Start	12832	End	13333
GI	none	Score	217
Exons	12832..12981, 12833..12982, 12994..13083, 12995..13084, 13253..13333		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o3.tw	Method	TBLASTX:Wheat
Start	12845	End	13084
GI	none	Score	318
Exons	12845..13084, 12847..13083		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o6.gs	Method	GENSCAN
Start	23489	End	31738
GI	none	Score	.55
Exons	23489..24211, 24515..24672, 25014..25169, 26102..26555, 26725..26947, 27117..28824, 28835..29105, 29214..29357, 29397..30181, 30410..31138, 31171..31738		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o1.tm	Method	TBLASTX:Maize
Start	26064	End	26688
GI	none	Score	211
Exons	26064..26360, 26070..26687, 26131..26688		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o2.np	Method	AAT/NAP
Start	26064	End	29303
GI	4416302	Score	3843
Exons	26064..27841, 27899..29303		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o2.ts	Method	TBLASTX:Soybean
Start	26082	End	26687
GI	none	Score	46
Exons	26082..26315, 26205..26300, 26325..26687, 26335..26499		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o2.tc	Method	TBLASTX:Cress
Start	26085	End	26543
GI	none	Score	63
Exons	26085..26297, 26316..26450, 26454..26543		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o4.tw	Method	TBLASTX:Wheat
Start	26130	End	26534
GI	none	Score	60

Exons	26130..26306, 26131..26250, 26328..26534, 26329..26430		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o7.tm	Method	TBLASTX:Maize
Start	26708	End	26934
GI	none	Score	204
Exons	26708..26914, 26713..26934		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o3.tm	Method	TBLASTX:Maize
Start	26956	End	27424
GI	none	Score	92
Exons	26956..27027, 26957..27028, 26957..27028, 26958..27029, 26959..27033, 27041..27424, 27042..27395, 27082..27417		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o1.ts	Method	TBLASTX:Soybean
Start	27084	End	27692
GI	5509260	Score	189
Exons	27084..27395, 27085..27267, 27086..27475, 27086..27466, 27461..27691, 27471..27692, 27473..27691		
GI Descrip.	-		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o1.tw	Method	TBLASTX:Wheat
Start	27098	End	27566
GI	none	Score	188
Exons	27098..27445, 27111..27395, 27427..27447, 27473..27556, 27474..27566		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o3.tc	Method	TBLASTX:Cress
Start	27203	End	27484
GI	none	Score	62
Exons	27203..27484, 27330..27398		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o5.tm	Method	TBLASTX:Maize
Start	27425	End	27754
GI	none	Score	273
Exons	27425..27754, 27426..27716, 27428..27718		
Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127

Name	OJ990612_36.9A05.C10.o2.tm	Method	TBLASTX:Maize
Start	28055	End	28718
GI	none	Score	472
Exons	28055..28645, 28068..28619, 28644..28718, 28646..28717		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o6.tw	Method	TBLASTX:Wheat
Start	28055	End	28294
GI	none	Score	102
Exons	28055..28180, 28068..28217, 28223..28294		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o4.ts	Method	TBLASTX:Soybean
Start	28076	End	28537
GI	none	Score	39
Exons	28076..28177, 28226..28537, 28233..28301, 28347..28517		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o3.np	Method	AAT/NAP
Start	28379	End	32127
GI	4416301	Score	490
Exons	28379..28406, 30103..30574, 30633..31656, 32100..32127		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o2.tw	Method	TBLASTX:Wheat
Start	28382	End	28952
GI	none	Score	127
Exons	28382..28666, 28383..28670, 28668..28694, 28668..28694, 28706..28792, 28725..28781, 28761..28952, 28762..28950		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o4.tm	Method	TBLASTX:Maize
Start	28718	End	29111
GI	none	Score	214
Exons	28718..28792, 28771..28986, 28773..28994, 28773..28994, 28992..29111		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o9.tm	Method	TBLASTX:Maize
Start	29113	End	29462
GI	none	Score	166
Exons	29113..29403, 29190..29393, 29409..29462, 29409..29459		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10

Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o4.np	Method	AAT/NAP
Start	29934	End	31665
GI	3645898	Score	606
Exons	29934..30081, 30154..30507, 30576..31665		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	4821	Seq. ID	OJ990612_36.9A05.C10
Gene No.	10059	Strand	-
Start	23489	End	32127
Name	OJ990612_36.9A05.C10.o8.tm	Method	TBLASTX:Maize
Start	31026	End	31432
GI	none	Score	205
Exons	31026..31097, 31100..31432		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10060	Strand	+
Start	178	End	12539
Name	OJ990612_36.9A05.C11.o1.gs	Method	GENSCAN
Start	178	End	10049
GI	none	Score	.44
Exons	178..265, 1181..1267, 1366..1484, 3752..3848, 5425..5576, 5913..6138, 6249..6765, 6809..7074, 9522..10049		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10060	Strand	+
Start	178	End	12539
Name	OJ990612_36.9A05.C11.o1.gp	Method	AAT/GAP
Start	5557	End	5964
GI	4714648	Score	695
Exons	5557..5964		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10060	Strand	+
Start	178	End	12539
Name	OJ990612_36.9A05.C11.o1.np	Method	AAT/NAP
Start	5934	End	12539
GI	2809246	Score	873
Exons	5934..6142, 6256..6512, 6645..6765, 6851..7074, 9597..9995, 12466..12539		
GI Descrip.	(AC002560) F24O1.15 [Arabidopsis thaliana]		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10060	Strand	+
Start	178	End	12539
Name	OJ990612_36.9A05.C11.o2.gp	Method	AAT/GAP
Start	9617	End	10556
GI	none	Score	1701
Exons	9617..10556		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10061	Strand	+
Start	22362	End	25665
Name	OJ990612_36.9A05.C11.o3.gs	Method	GENSCAN
Start	22362	End	25665

GI	none	Score	.71
Exons	22362..22464, 22576..22716, 23366..23490, 23603..23749, 23779..23851, 23942..24291, 24319..24713, 24850..24995, 25106..25665		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10061	Strand	+
Start	22362	End	25665
Name	OJ990612_36.9A05.C11.o2.np	Method	AAT/NAP
Start	23494	End	24714
GI	6721561	Score	1164
Exons	23494..23749, 23820..23878, 23952..24714		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10062	Strand	+
Start	32543	End	34264
Name	OJ990612_36.9A05.C11.o5.np	Method	AAT/NAP
Start	32543	End	34264
GI	6721512	Score	119
Exons	32543..32648, 32676..32814, 34217..34264		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10063	Strand	+
Start	40152	End	40530
Name	OJ990612_36.9A05.C11.o3.gp	Method	AAT/GAP
Start	40054	End	40530
GI	none	Score	850
Exons	40054..40530		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10063	Strand	+
Start	40152	End	40530
Name	OJ990612_36.9A05.C11.o7.gs	Method	GENSCAN
Start	40152	End	40505
GI	none	Score	.96
Exons	40152..40505		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10064	Strand	+
Start	42396	End	43400
Name	OJ990612_36.9A05.C11.o8.gs	Method	GENSCAN
Start	42396	End	43400
GI	none	Score	1
Exons	42396..43400		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10064	Strand	+
Start	42396	End	43400
Name	OJ990612_36.9A05.C11.o6.np	Method	AAT/NAP
Start	42405	End	43385
GI	1931639	Score	1022

Exons	42405..43385		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10065	Strand	-
Start	10989	End	19351
Name	OJ990612_36.9A05.C11.o2.gs	Method	GENSCAN
Start	10989	End	19351
GI	none	Score	.42
Exons	10989..11131, 11373..11602, 11990..12122, 12397..12451, 15361..16102, 17032..17150, 18436..18623, 19249..19351		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10066	Strand	-
Start	26238	End	33878
Name	OJ990612_36.9A05.C11.o4.gs	Method	GENSCAN
Start	26238	End	32601
GI	none	Score	.53
Exons	26238..26586, 26632..26736, 26926..28338, 28536..28643, 28743..29335, 29423..30793, 30895..32601		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10066	Strand	-
Start	26238	End	33878
Name	OJ990612_36.9A05.C11.o3.np	Method	AAT/NAP
Start	26241	End	29326
GI	5902445	Score	2995
Exons	26241..27495, 27535..29326		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10066	Strand	-
Start	26238	End	33878
Name	OJ990612_36.9A05.C11.o4.np	Method	AAT/NAP
Start	29393	End	33878
GI	5902444	Score	975
Exons	29393..31045, 31382..31655, 33855..33878		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10067	Strand	-
Start	34121	End	36436
Name	OJ990612_36.9A05.C11.o5.gs	Method	GENSCAN
Start	34121	End	36436
GI	none	Score	.5
Exons	34121..34338, 34407..34532, 36397..36436		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o4.ts	Method	TBLASTX:Soybean
Start	6025	End	6356
GI	none	Score	36
Exons	6025..6057, 6058..6138, 6093..6137, 6243..6356		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-

Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o5.tc	Method	TBLASTX:Cress
Start	6055	End	6362
GI	none	Score	93
Exons	6055..6138, 6060..6137, 6243..6362		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o10.tm	Method	TBLASTX:Maize
Start	6076	End	6356
GI	none	Score	83
Exons	6076..6138, 6243..6356		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o6.tw	Method	TBLASTX:Wheat
Start	6261	End	37786
GI	none	Score	182
Exons	6261..6377, 6302..6373, 6363..6512, 6366..6557, 6401..6514, 6595..6699, 6610..6645, 6635..6775, 6645..6767, 37712..37786		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o2.ts	Method	TBLASTX:Soybean
Start	6434	End	9784
GI	none	Score	117
Exons	6434..6499, 6435..6509, 6644..6703, 6645..6704, 6720..6764, 6720..6758, 6852..7076, 6853..7077, 9596..9784, 9597..9779, 9601..9783		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o2.tc	Method	TBLASTX:Cress
Start	6435	End	7053
GI	none	Score	93
Exons	6435..6509, 6615..6707, 6632..6703, 6720..6767, 6722..6775, 6844..7053, 6852..7052		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o3.tm	Method	TBLASTX:Maize
Start	6735	End	9815
GI	none	Score	39
Exons	6735..6767, 6844..7077, 6864..7076, 9596..9811, 9596..9811, 9597..9815		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o8.tm	Method	TBLASTX:Maize
Start	9815	End	10067
GI	none	Score	155

Exons	9815..9937, 9816..9929, 9954..10067, 9956..10054		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o4.tw	Method	TBLASTX:Wheat
Start	24402	End	30028
GI	none	Score	85
Exons	24402..24425, 24437..24523, 29573..29809, 29691..29807, 29846..30028, 29847..30020		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o3.tw	Method	TBLASTX:Wheat
Start	26250	End	26859
GI	none	Score	66
Exons	26250..26381, 26251..26376, 26406..26858, 26605..26709, 26668..26859, 26755..26853		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o12.tm	Method	TBLASTX:Maize
Start	26286	End	26552
GI	none	Score	49
Exons	26286..26369, 26320..26376, 26364..26483, 26370..26552		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o5.tw	Method	TBLASTX:Wheat
Start	26880	End	27234
GI	none	Score	206
Exons	26880..27233, 26893..27234		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o6.tm	Method	TBLASTX:Maize
Start	27060	End	27330
GI	none	Score	160
Exons	27060..27308, 27061..27330		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o10.tw	Method	TBLASTX:Wheat
Start	27537	End	27794
GI	none	Score	89
Exons	27537..27794, 27541..27774		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o7.tw	Method	TBLASTX:Wheat
Start	27834	End	28242

GI	none	Score	49
Exons	27834..28007, 27886..27969, 28015..28242, 28017..28241		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o2.tw	Method	TBLASTX:Wheat
Start	28391	End	28810
GI	none	Score	284
Exons	28391..28810, 28392..28763		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o3.ts	Method	TBLASTX:Soybean
Start	28391	End	28756
GI	none	Score	99
Exons	28391..28756, 28572..28730		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o5.tm	Method	TBLASTX:Maize
Start	28484	End	28867
GI	none	Score	134
Exons	28484..28867, 28485..28763		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o2.tm	Method	TBLASTX:Maize
Start	28895	End	29251
GI	none	Score	218
Exons	28895..29251, 28896..29189		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o1.tw	Method	TBLASTX:Wheat
Start	28925	End	29381
GI	none	Score	392
Exons	28925..29380, 28926..29381		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o5.ts	Method	TBLASTX:Soybean
Start	28976	End	29341
GI	none	Score	110
Exons	28976..29110, 29117..29341		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o9.tw	Method	TBLASTX:Wheat
Start	30608	End	31005
GI	none	Score	124

Exons	30608..30832, 30829..31005		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o4.tm	Method	TBLASTX:Maize
Start	40242	End	40517
GI	none	Score	355
Exons	40242..40517, 40262..40507		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o8.tw	Method	TBLASTX:Wheat
Start	40274	End	40457
GI	none	Score	262
Exons	40274..40456, 40275..40457, 40323..40457		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o7.tm	Method	TBLASTX:Maize
Start	42407	End	42641
GI	none	Score	141
Exons	42407..42538, 42423..42521, 42437..42535, 42521..42640, 42522..42641		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o1.ts	Method	TBLASTX:Soybean
Start	42462	End	43355
GI	none	Score	52
Exons	42462..42530, 42576..42935, 42578..42778, 42729..42923, 42803..42934, 42978..43355, 43160..43354		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o3.tc	Method	TBLASTX:Cress
Start	42495	End	42767
GI	none	Score	296
Exons	42495..42767, 42503..42766		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o11.tw	Method	TBLASTX:Wheat
Start	42638	End	43046
GI	none	Score	171
Exons	42638..42859, 42639..42869, 42726..42875, 42834..43046, 42860..43018		
Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o11.tm	Method	TBLASTX:Maize

Start	42648	End	42902
GI	none	Score	186
Exons	42648..42875, 42650..42838, 42870..42902		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o1.tc	Method	TBLASTX:Cress
Start	42812	End	43376
GI	none	Score	417
Exons	42812..42847, 42834..43376, 42869..42934, 43160..43333		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o1.tm	Method	TBLASTX:Maize
Start	42902	End	43325
GI	none	Score	639
Exons	42902..43024, 42903..43325, 43032..43322		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o9.gs	Method	GENSCAN
Start	43638	End	45015
GI	none	Score	.69
Exons	43638..43839, 43863..43912, 44138..44260, 44478..44633, 44878..45015		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o4.tc	Method	TBLASTX:Cress
Start	43662	End	45232
GI	none	Score	91
Exons	43662..43760, 43672..43761, 43860..43913, 43862..43912, 44138..44266, 44139..44261, 44478..44582, 44485..44547, 44556..44621, 44560..44619, 44873..44929, 44875..44934, 45100..45177, 45102..45191, 45197..45232		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o9.tm	Method	TBLASTX:Maize
Start	43687	End	44616
GI	none	Score	98
Exons	43687..43761, 43689..43760, 43860..43913, 43862..43912, 44138..44266, 44139..44261, 44139..44267, 44476..44616, 44476..44604, 44478..44615		

Seq. No.	4822	Seq. ID	OJ990612_36.9A05.C11
Gene No.	10068	Strand	-
Start	43638	End	45232
Name	OJ990612_36.9A05.C11.o4.gp	Method	AAT/GAP
Start	44196	End	44653
GI	2797361	Score	364
Exons	44196..44260, 44478..44653		

Seq. No.	4823	Seq. ID	OJ990612_36.9A05.C12
Gene No.	10069	Strand	
Start	681	End	1113
Name	OJ990612_36.9A05.C12.o1.tc	Method	TBLASTX:Cress
Start	681	End	1113
GI	none	Score	57
Exons	681..734, 682..735, 819..944,	835..942, 1060..1113	

Seq. No.	4823	Seq. ID	OJ990612_36.9A05.C12
Gene No.	10069	Strand	
Start	681	End	1113
Name	OJ990612_36.9A05.C12.o1.tm	Method	TBLASTX:Maize
Start	681	End	1101
GI	none	Score	50
Exons	681..734, 681..734, 682..735, 793..942, 819..944, 834..944, 835..948, 1060..1101		

Seq. No.	4823	Seq. ID	OJ990612_36.9A05.C12
Gene No.	10070	Strand	
Start	1298	End	1581
Name	OJ990612_36.9A05.C12.o1.ts	Method	TBLASTX:Soybean
Start	1298	End	1581
GI	none	Score	84
Exons	1298..1393, 1302..1382, 1462..1581, 1479..1580		

Seq. No.	4824	Seq. ID	OJ990612_36.9A05.C13
Gene No.	10071	Strand	+
Start	114	End	1338
Name	OJ990612_36.9A05.C13.o1.gs	Method	GENSCAN
Start	114	End	1154
GI	none	Score	.98
Exons	114..360, 573..655, 736..767,	860..923, 1014..1154	

Seq. No.	4824	Seq. ID	OJ990612_36.9A05.C13
Gene No.	10071	Strand	+
Start	114	End	1338
Name	OJ990612_36.9A05.C13.o1.tc	Method	TBLASTX:Cress
Start	589	End	1052
GI	none	Score	103
Exons	589..645, 590..655, 735..800, 736..768, 851..922, 858..923, 859..954, 1013..1051, 1014..1052		

Seq. No.	4824	Seq. ID	OJ990612_36.9A05.C13
Gene No.	10071	Strand	+
Start	114	End	1338
Name	OJ990612_36.9A05.C13.o1.gp	Method	AAT/GAP
Start	859	End	1338
GI	2431280	Score	634
Exons	859..923, 1014..1338		

Seq. No.	4824	Seq. ID	OJ990612_36.9A05.C13
Gene No.	10071	Strand	+
Start	114	End	1338
Name	OJ990612_36.9A05.C13.o1.ts	Method	TBLASTX:Soybean
Start	885	End	1136
GI	none	Score	65

Exons	885..923, 1013..1135, 1014..1136		
Seq. No.	4824	Seq. ID	OJ990612_36.9A05.C13
Gene No.	10071	Strand	+
Start	114	End	1338
Name	OJ990612_36.9A05.C13.o1.tm	Method	TBLASTX:Maize
Start	1017	End	1152
GI	none	Score	185
Exons	1017..1136, 1019..1135, 1021..1152		
Seq. No.	4825	Seq. ID	OJ990612_36.9A05.C14
Gene No.	10072	Strand	+
Start	1	End	1662
Name	OJ990612_36.9A05.C14.o1.np	Method	AAT/NAP
Start	1	End	1662
GI	5738362	Score	422
Exons	1..932, 1630..1662		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		
Seq. No.	4825	Seq. ID	OJ990612_36.9A05.C14
Gene No.	10072	Strand	+
Start	1	End	1662
Name	OJ990612_36.9A05.C14.o1.gs	Method	GENSCAN
Start	75	End	928
GI	none	Score	.81
Exons	75..928		
Seq. No.	4825	Seq. ID	OJ990612_36.9A05.C14
Gene No.	10072	Strand	+
Start	1	End	1662
Name	OJ990612_36.9A05.C14.o1.ts	Method	TBLASTX:Soybean
Start	279	End	629
GI	none	Score	78
Exons	279..386, 288..377, 399..545, 540..629		
Seq. No.	4825	Seq. ID	OJ990612_36.9A05.C14
Gene No.	10072	Strand	+
Start	1	End	1662
Name	OJ990612_36.9A05.C14.o1.gp	Method	AAT/GAP
Start	410	End	928
GI	31792_1.R1084	Score	1019
Exons	410..928		
GI Descrip.	'2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]'		
Seq. No.	4825	Seq. ID	OJ990612_36.9A05.C14
Gene No.	10072	Strand	+
Start	1	End	1662
Name	OJ990612_36.9A05.C14.o1.tm	Method	TBLASTX:Maize
Start	745	End	944
GI	none	Score	310
Exons	745..939, 746..943, 747..932, 747..944, 755..940		

Seq. No.	4826	Seq. ID	OJ990612_36.9A05.C15
Gene No.	10073	Strand	+
Start	464	End	1894
Name	OJ990612_36.9A05.C15.o1.tm	Method	TBLASTX:Maize
Start	463	End	1671
GI	none	Score	218
Exons	463..612, 464..616, 465..614,	1527..1664, 1531..1671, 1532..1666	

Seq. No.	4826	Seq. ID	OJ990612_36.9A05.C15
Gene No.	10073	Strand	+
Start	464	End	1894
Name	OJ990612_36.9A05.C15.o1.gp	Method	AAT/GAP
Start	464	End	1671
GI	31792_1.R1084	Score	363
Exons	464..613, 1534..1671		
GI Descrip.	'2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	4826	Seq. ID	OJ990612_36.9A05.C15
Gene No.	10073	Strand	+
Start	464	End	1894
Name	OJ990612_36.9A05.C15.o1.gs	Method	GENSCAN
Start	464	End	1894
GI	none	Score	.78
Exons	464..613, 1534..1671, 1789..1894		

Seq. No.	4826	Seq. ID	OJ990612_36.9A05.C15
Gene No.	10073	Strand	+
Start	464	End	1894
Name	OJ990612_36.9A05.C15.o1.np	Method	AAT/NAP
Start	464	End	1671
GI	5738362	Score	250
Exons	464..613, 1534..1671		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	4826	Seq. ID	OJ990612_36.9A05.C15
Gene No.	10073	Strand	+
Start	464	End	1894
Name	OJ990612_36.9A05.C15.o1.ts	Method	TBLASTX:Soybean
Start	464	End	1567
GI	none	Score	189
Exons	464..616, 465..614, 466..615,	1532..1567	

Seq. No.	4827	Seq. ID	OJ990612_36.9A05.C16
Gene No.	10074	Strand	-
Start	182	End	228
Name	OJ990612_36.9A05.C16.o1.gs	Method	GENSCAN
Start	182	End	228
GI	none	Score	.85
Exons	182..228		

Seq. No.	4828	Seq. ID	OJ990612_32.9A01.C1
Gene No.	10075	Strand	+

Start	876	End	1022
Name	OJ990612_32.9A01.C1.o1.gs	Method	GENSCAN
Start	876	End	1022
GI	none	Score	.53
Exons	876..1022		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10076	Strand	+
Start	2460	End	3605
Name	OJ990612_32.9A01.C2.o1.gs	Method	GENSCAN
Start	2460	End	3605
GI	none	Score	.75
Exons	2460..2561, 3312..3605		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o2.gs	Method	GENSCAN
Start	5360	End	7839
GI	none	Score	.76
Exons	5360..5495, 5500..5659, 6203..6315, 6354..6441, 6568..6696, 6778..7000, 7146..7839		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o1.gp	Method	AAT/GAP
Start	5370	End	6202
GI	95583_1.R1084	Score	1362
Exons	5370..5659, 5759..6202		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o1.np	Method	AAT/NAP
Start	5602	End	7962
GI	4467124	Score	341
Exons	5602..5628, 6839..7015, 7137..7839, 7939..7962		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	7506	End	7838
GI	none	Score	242
Exons	7506..7838, 7584..7838		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	7533	End	7838
GI	none	Score	248
Exons	7533..7838, 7638..7817		

Seq. No.	4829	Seq. ID	OJ990612_32.9A01.C2
Gene No.	10077	Strand	+
Start	5360	End	7962
Name	OJ990612_32.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	7593	End	7838
GI	none	Score	246
Exons	7593..7838, 7629..7811, 7631..7837		

Seq. No.	4830	Seq. ID	OJ990612_32.9A01.C3
Gene No.	10078	Strand	+
Start	1	End	1928
Name	OJ990612_32.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	1928
GI	4467123	Score	47
Exons	1..162, 235..335, 1881..1928		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4830	Seq. ID	OJ990612_32.9A01.C3
Gene No.	10079	Strand	+
Start	5452	End	7450
Name	OJ990612_32.9A01.C3.o2.gp	Method	AAT/GAP
Start	5452	End	7450
GI	86248_1.R1084	Score	1411
Exons	5452..5639, 5663..5984, 7021..7102, 7201..7450		
GI Descrip.	'2983814 1.0e-18 (AE000739) tryptophan synthase beta subunit [Aquifex aeolicus]'		

Seq. No.	4830	Seq. ID	OJ990612_32.9A01.C3
Gene No.	10079	Strand	+
Start	5452	End	7450
Name	OJ990612_32.9A01.C3.o3.gs	Method	GENSCAN
Start	7075	End	7352
GI	none	Score	.57
Exons	7075..7102, 7201..7352		

Seq. No.	4830	Seq. ID	OJ990612_32.9A01.C3
Gene No.	10080	Strand	-
Start	1845	End	6306
Name	OJ990612_32.9A01.C3.o2.gs	Method	GENSCAN
Start	1845	End	6306
GI	none	Score	.77
Exons	1845..1958, 2732..2885, 3070..3370, 3563..3737, 3934..4104, 4294..4348, 5414..5610, 5669..5865, 6261..6306		

Seq. No.	4830	Seq. ID	OJ990612_32.9A01.C3
Gene No.	10080	Strand	-
Start	1845	End	6306
Name	OJ990612_32.9A01.C3.o1.gp	Method	AAT/GAP
Start	4833	End	5256
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	4833..4901, 5234..5256		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4

Gene No.	10081	Strand	+
Start	850	End	5240
Name	OJ990612_32.9A01.C4.o1.gs	Method	GENSCAN
Start	850	End	3052
GI	none	Score	.97
Exons	850..958, 1036..1113, 2775..3052		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10081	Strand	+
Start	850	End	5240
Name	OJ990612_32.9A01.C4.o1.np	Method	AAT/NAP
Start	1683	End	5240
GI	5734721	Score	148
Exons	1683..1735, 2776..3034, 5196..5240		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10082	Strand	-
Start	3597	End	7600
Name	OJ990612_32.9A01.C4.o1.gp	Method	AAT/GAP
Start	3496	End	3841
GI	5038807	Score	692
Exons	3496..3841		
GI Descrip.	2983814 1.0e-18 (AE000739) tryptophan synthase beta subunit [Aquifex aeolicus]		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10082	Strand	-
Start	3597	End	7600
Name	OJ990612_32.9A01.C4.o2.gs	Method	GENSCAN
Start	3597	End	7286
GI	none	Score	.95
Exons	3597..3847, 4098..4196, 4303..5057, 5845..6160, 7244..7286		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10082	Strand	-
Start	3597	End	7600
Name	OJ990612_32.9A01.C4.o2.np	Method	AAT/NAP
Start	3654	End	6089
GI	2983814	Score	1302
Exons	3654..3847, 4098..4196, 4303..5057, 5845..6089		
GI Descrip.	(AE000739) tryptophan synthase beta subunit [Aquifex aeolicus]		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10082	Strand	-
Start	3597	End	7600
Name	OJ990612_32.9A01.C4.o2.gp	Method	AAT/GAP
Start	4470	End	7600
GI	15334_1.R1084	Score	2426
Exons	4470..5059, 5846..6160, 7244..7600		
GI Descrip.	'4981053/gb|AAD35624.1|AE001729_4 1.0e-73 (AE001729) tryptophan synthase, beta subunit [Thermotoga maritima]'		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4

Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o3.tc	Method	TBLASTX:Cress
Start	2767	End	2995
GI	none	Score	150
Exons	2767..2898, 2774..2902, 2896..2994, 2900..2995		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	2767	End	2995
GI	none	Score	168
Exons	2767..2898, 2774..2902, 2896..2994, 2900..2995		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	2770	End	2959
GI	none	Score	152
Exons	2770..2895, 2771..2896, 2899..2958, 2900..2959		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	3600	End	4591
GI	none	Score	162
Exons	3600..3824, 3607..3822, 4165..4200, 4175..4201, 4313..4591, 4314..4589		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	3723	End	4448
GI	none	Score	98
Exons	3723..3830, 3724..3846, 4087..4200, 4102..4200, 4103..4216, 4296..4448, 4301..4447		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	4439	End	4715
GI	none	Score	281
Exons	4439..4714, 4440..4715		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	4802	End	5936
GI	none	Score	280
Exons	4802..5080, 4803..5060, 5836..5916, 5844..5936		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	4878	End	6125
GI	none	Score	255
Exons	4878..5060, 4889..5080, 5844..5966, 5845..5967, 6015..6125		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	4998	End	6185
GI	none	Score	93
Exons	4998..5060, 5000..5080, 5844..5960, 5844..5969, 5845..5970, 6015..6116, 6025..6066, 6093..6185, 6118..6144		

Seq. No.	4831	Seq. ID	OJ990612_32.9A01.C4
Gene No.	10083	Strand	-
Start	10282	End	10368
Name	OJ990612_32.9A01.C4.o3.gs	Method	GENSCAN
Start	10282	End	10368
GI	none	Score	1
Exons	10282..10368		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10084	Strand	+
Start	1745	End	2086
Name	OJ990612_32.9A01.C5.o2.gs	Method	GENSCAN
Start	1745	End	2086
GI	none	Score	.75
Exons	1745..2086		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10085	Strand	+
Start	2175	End	14689
Name	OJ990612_32.9A01.C5.o1.np	Method	AAT/NAP
Start	2175	End	6809
GI	4680203	Score	3318
Exons	2175..2254, 3499..5171, 5325..5555, 5832..6809		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10085	Strand	+
Start	2175	End	14689
Name	OJ990612_32.9A01.C5.o1.gp	Method	AAT/GAP
Start	3451	End	3954
GI	2310235	Score	245
Exons	3451..3638, 3929..3954		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10085	Strand	+
Start	2175	End	14689
Name	OJ990612_32.9A01.C5.o3.gs	Method	GENSCAN
Start	3499	End	13790

GI	none	Score	.75
Exons	3499..4569, 4713..6753, 7862..7926, 8002..8331, 8434..8489, 8772..8808, 9542..9658, 10838..11109, 11246..11255, 11980..12437, 13062..13172, 13256..13328, 13426..13524, 13608..13790		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10085	Strand	+
Start	2175	End	14689
Name	OJ990612_32.9A01.C5.o2.np	Method	AAT/NAP
Start	7111	End	14689
GI	5852180	Score	526
Exons	7111..7140, 7822..7897, 10688..10741, 11721..11839, 11891..12305, 13006..13066, 14663..14689		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10086	Strand	-
Start	3503	End	7590
Name	OJ990612_32.9A01.C5.o2.gp	Method	AAT/GAP
Start	3503	End	7590
GI	342_1.R1084	Score	6458
Exons	3503..7142, 7325..7590		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10086	Strand	-
Start	3503	End	7590
Name	OJ990612_32.9A01.C5.o3.gp	Method	AAT/GAP
Start	6449	End	6893
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	6449..6795, 6823..6893		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10087	Strand	-
Start	10590	End	10971
Name	OJ990612_32.9A01.C5.o4.gp	Method	AAT/GAP
Start	10590	End	10971
GI	uC-osflcyp033a04b1	Score	663
Exons	10590..10971		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	3850	End	4201
GI	none	Score	103
Exons	3850..3957, 3940..4191, 3948..4190, 3950..4201		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162

Name	OJ990612_32.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	4122	End	4551
GI	none	Score	102
Exons	4122..4205, 4123..4197, 4198..4260, 4255..4551, 4309..4533		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o2.tc	Method	TBLASTX:Cress
Start	4284	End	4599
GI	none	Score	288
Exons	4284..4436, 4291..4599, 4476..4571		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	4420	End	4888
GI	none	Score	68
Exons	4420..4473, 4428..4472, 4474..4578, 4485..4574, 4592..4678, 4593..4679, 4659..4883, 4680..4883, 4790..4888		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	4465	End	4922
GI	none	Score	108
Exons	4465..4593, 4477..4599, 4593..4718, 4599..4718, 4731..4922		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	4752	End	4994
GI	none	Score	216
Exons	4752..4994		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	5027	End	5437
GI	none	Score	79
Exons	5027..5074, 5028..5090, 5096..5269, 5100..5318, 5351..5437, 5352..5435		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	5438	End	6755
GI	none	Score	876
Exons	5438..6340, 5439..6356, 6024..6341, 6349..6390, 6351..6395, 6354..6395, 6401..6493, 6402..6461, 6440..6580, 6441..6581, 6594..6674, 6663..6755		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	5481	End	5795
GI	none	Score	312
Exons	5481..5795, 5492..5767, 5565..5795		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	5722	End	6174
GI	none	Score	171
Exons	5722..5904, 5726..6163, 5726..6169, 5730..6173, 5736..6173, 5923..6174		

Seq. No.	4832	Seq. ID	OJ990612_32.9A01.C5
Gene No.	10088	Strand	-
Start	13873	End	14162
Name	OJ990612_32.9A01.C5.o6.gp	Method	AAT/GAP
Start	13873	End	14162
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	13873..13908, 14080..14162		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10089	Strand	+
Start	59	End	5361
Name	OJ990612_32.9A01.C6.o1.gs	Method	GENSCAN
Start	59	End	5361
GI	none	Score	.92
Exons	59..265, 318..1024, 1042..1178, 1287..1502, 1593..2142, 2160..3585, 3619..5361		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10089	Strand	+
Start	59	End	5361
Name	OJ990612_32.9A01.C6.o1.np	Method	AAT/NAP
Start	841	End	5358
GI	6498441	Score	5910
Exons	841..2608, 2660..3414, 3586..4983, 5077..5358		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10090	Strand	+
Start	9153	End	12655
Name	OJ990612_32.9A01.C6.o3.np	Method	AAT/NAP
Start	9153	End	12655
GI	5042425	Score	578
Exons	9153..9201, 11048..11633, 12601..12655		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10090	Strand	+
Start	9153	End	12655
Name	OJ990612_32.9A01.C6.o3.gs	Method	GENSCAN
Start	10209	End	12350
GI	none	Score	.43
Exons	10209..10283, 10608..10778, 10900..11568, 11988..12350		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10091	Strand	+
Start	18227	End	19406
Name	OJ990612_32.9A01.C6.o4.gs	Method	GENSCAN
Start	18227	End	19406
GI	none	Score	.79
Exons	18227..18441, 18714..18741, 19386..19406		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10092	Strand	-
Start	1	End	18461
Name	OJ990612_32.9A01.C6.o4.np	Method	AAT/NAP
Start	1	End	18461
GI	5734709	Score	164
Exons	1..38, 10514..10559, 10912..10972, 12033..12469, 18250..18461		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10092	Strand	-
Start	1	End	18461
Name	OJ990612_32.9A01.C6.o2.gs	Method	GENSCAN
Start	5988	End	9220
GI	none	Score	.6
Exons	5988..6332, 6450..7574, 7816..7856, 7960..9220		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10092	Strand	-
Start	1	End	18461
Name	OJ990612_32.9A01.C6.o2.np	Method	AAT/NAP
Start	5991	End	9220
GI	6907089	Score	4252
Exons	5991..7856, 7960..9220		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o4.tw	Method	TBLASTX:Wheat
Start	992	End	1381
GI	none	Score	54
Exons	992..1036, 1043..1141, 1048..1140, 1108..1347, 1124..1381		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o4.tm	Method	TBLASTX:Maize
Start	1031	End	1279
GI	none	Score	191

Exons	1031..1279, 1033..1278		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	2209	End	2598
GI	none	Score	499
Exons	2209..2598, 2211..2591		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	2266	End	2622
GI	none	Score	392
Exons	2266..2622, 2301..2612, 2506..2622		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o8.tw	Method	TBLASTX:Wheat
Start	2622	End	2798
GI	none	Score	178
Exons	2622..2798, 2623..2787		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o5.tw	Method	TBLASTX:Wheat
Start	3262	End	3720
GI	none	Score	239
Exons	3262..3483, 3286..3510, 3351..3527, 3571..3720, 3582..3719		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	3409	End	3975
GI	5666795	Score	68
Exons	3409..3507, 3583..3720, 3760..3975		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o7.tw	Method	TBLASTX:Wheat
Start	3723	End	4035
GI	none	Score	194
Exons	3723..3899, 3760..4035		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	4228	End	4560
GI	none	Score	366

Exons	4228..4551, 4257..4538, 4348..4560		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	4365	End	4746
GI	none	Score	374
Exons	4365..4715, 4366..4746		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o6.tw	Method	TBLASTX:Wheat
Start	4747	End	5349
GI	none	Score	255
Exons	4747..5031, 4752..4850, 4890..5036, 5223..5345, 5224..5349		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o5.tm	Method	TBLASTX:Maize
Start	5218	End	5364
GI	none	Score	186
Exons	5218..5364, 5223..5357		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	11037	End	11583
GI	none	Score	145
Exons	11037..11186, 11038..11202, 11200..11457, 11226..11429, 11449..11583, 11484..11579		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	11043	End	11631
GI	none	Score	146
Exons	11043..11186, 11047..11196, 11209..11448, 11226..11429, 11440..11631, 11478..11630		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	11047	End	11613
GI	none	Score	103
Exons	11047..11181, 11167..11613, 11226..11612		
Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	11319	End	11631

GI	none	Score	136
Exons	11319..11432, 11319..11630, 11320..11631		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o5.gs	Method	GENSCAN
Start	21684	End	24247
GI	none	Score	.67
Exons	21684..21761, 22761..22933, 23923..24247		

Seq. No.	4833	Seq. ID	OJ990612_32.9A01.C6
Gene No.	10093	Strand	-
Start	21684	End	24247
Name	OJ990612_32.9A01.C6.o6.tm	Method	TBLASTX:Maize
Start	23981	End	24196
GI	none	Score	185
Exons	23981..24196		

Seq. No.	4834	Seq. ID	OJ990612_32.9A01.C8
Gene No.	10094	Strand	+
Start	1811	End	2382
Name	OJ990612_32.9A01.C8.o2.gs	Method	GENSCAN
Start	1811	End	2382
GI	none	Score	.79
Exons	1811..1901, 2285..2382		

Seq. No.	4835	Seq. ID	OJ990612_32.9A01.C9
Gene No.	10095	Strand	-
Start	11021	End	15353
Name	OJ990612_32.9A01.C9.o2.gs	Method	GENSCAN
Start	11021	End	15353
GI	none	Score	.7
Exons	11021..11191, 11433..11519, 12229..12575, 14458..14561, 15133..15353		

Seq. No.	4835	Seq. ID	OJ990612_32.9A01.C9
Gene No.	10095	Strand	-
Start	11021	End	15353
Name	OJ990612_32.9A01.C9.o1.np	Method	AAT/NAP
Start	11656	End	14179
GI	6498436	Score	241
Exons	11656..11708, 12904..13106, 13154..13328, 13504..13936, 13985..14179		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	4835	Seq. ID	OJ990612_32.9A01.C9
Gene No.	10095	Strand	-
Start	11021	End	15353
Name	OJ990612_32.9A01.C9.o3.np	Method	AAT/NAP
Start	11906	End	15296
GI	3402699	Score	120
Exons	11906..11933, 14357..14632, 15087..15296		
GI Descrip.	(AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	4835	Seq. ID	OJ990612_32.9A01.C9
Gene No.	10096	Strand	-

Start	18044	End	18424
Name	OJ990612_32.9A01.C9.o3.gs	Method	GENSCAN
Start	18044	End	18424
GI	none	Score	.73
Exons	18044..18424		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10097	Strand	+
Start	756	End	6842
Name	OJ990612_32.9A01.C10.o1.np	Method	AAT/NAP
Start	756	End	4872
GI	5051762	Score	254
Exons	756..1350, 4829..4872		
GI Descrip.	(AL078637) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10097	Strand	+
Start	756	End	6842
Name	OJ990612_32.9A01.C10.o1.gs	Method	GENSCAN
Start	759	End	3461
GI	none	Score	.85
Exons	759..3461		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10097	Strand	+
Start	756	End	6842
Name	OJ990612_32.9A01.C10.o1.gp	Method	AAT/GAP
Start	2359	End	2707
GI	none	Score	679
Exons	2359..2707		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10097	Strand	+
Start	756	End	6842
Name	OJ990612_32.9A01.C10.o2.gs	Method	GENSCAN
Start	4656	End	6842
GI	none	Score	.74
Exons	4656..4725, 5454..5535, 5753..6087, 6127..6259, 6794..6842		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10098	Strand	-
Start	3264	End	3652
Name	OJ990612_32.9A01.C10.o2.gp	Method	AAT/GAP
Start	3264	End	3652
GI	none	Score	766
Exons	3264..3652		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	2423	End	2879
GI	none	Score	221
Exons	2423..2635, 2424..2645, 2425..2643, 2622..2756, 2629..2814, 2649..2789, 2749..2874, 2762..2869, 2778..2879, 2780..2878		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10

Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	2918	End	3720
GI	none	Score	102
Exons	2918..3031, 2919..3032, 3033..3170, 3033..3146, 3101..3163, 3168..3242, 3168..3236, 3203..3400, 3218..3400, 3223..3402, 3231..3422, 3237..3401, 3407..3457, 3408..3467, 3412..3459, 3512..3550, 3514..3555, 3569..3607, 3578..3691, 3582..3689, 3673..3720, 3682..3720		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o3.gs	Method	GENSCAN
Start	8609	End	12309
GI	none	Score	.73
Exons	8609..8794, 8874..8972, 9067..9139, 9224..9334, 9431..9604, 9714..10399, 10401..10546, 10672..10813, 10888..11007, 11053..11332, 11348..12309		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o3.np	Method	AAT/NAP
Start	8630	End	12324
GI	4680204	Score	989
Exons	8630..8764, 9115..9334, 9431..9604, 9714..10813, 10888..12324		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	9265	End	9787
GI	none	Score	59
Exons	9265..9336, 9436..9618, 9443..9568, 9707..9787		

Seq. No.	4836	Seq. ID	OJ990612_32.9A01.C10
Gene No.	10099	Strand	-
Start	8609	End	12324
Name	OJ990612_32.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	11278	End	11708
GI	none	Score	76
Exons	11278..11448, 11411..11578, 11443..11679, 11530..11679, 11541..11681, 11571..11708		

Seq. No.	4837	Seq. ID	OJ990612_32.9A01.C11
Gene No.	10100	Strand	+
Start	848	End	937
Name	OJ990612_32.9A01.C11.o1.gp	Method	AAT/GAP
Start	848	End	937
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	848..937		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	4837	Seq. ID	OJ990612_32.9A01.C11
Gene No.	10101	Strand	+
Start	1404	End	1582
Name	OJ990612_32.9A01.C11.o1.gs	Method	GENSCAN
Start	1404	End	1582
GI	none	Score	.85
Exons	1404..1582		

Seq. No.	4837	Seq. ID	OJ990612_32.9A01.C11
Gene No.	10102	Strand	-
Start	20	End	1661
Name	OJ990612_32.9A01.C11.o1.np	Method	AAT/NAP
Start	20	End	1661
GI	3845248	Score	104
Exons	20..72, 1355..1661		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	4837	Seq. ID	OJ990612_32.9A01.C11
Gene No.	10102	Strand	-
Start	20	End	1661
Name	OJ990612_32.9A01.C11.o2.gp	Method	AAT/GAP
Start	860	End	1328
GI	LIB3432-059-P1-K1-D8	Score	740
Exons	860..1328		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	4838	Seq. ID	OJ990612_32.9A01.C12
Gene No.	10103	Strand	+
Start	794	End	1211
Name	OJ990612_32.9A01.C12.o3.gp	Method	AAT/GAP
Start	794	End	1211
GI	LIB3431-028-P1-N1-A10	Score	828
Exons	794..1211		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	4838	Seq. ID	OJ990612_32.9A01.C12
Gene No.	10104	Strand	-
Start	1	End	1663
Name	OJ990612_32.9A01.C12.o1.gp	Method	AAT/GAP
Start	1	End	1663
GI	342_1.R1084	Score	2434
Exons	1..440, 550..647, 730..749, 785..1663		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4838	Seq. ID	OJ990612_32.9A01.C12
Gene No.	10104	Strand	-
Start	1	End	1663
Name	OJ990612_32.9A01.C12.o1.np	Method	AAT/NAP
Start	851	End	1663
GI	4680203	Score	757
Exons	851..1663		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4838	Seq. ID	OJ990612_32.9A01.C12
Gene No.	10104	Strand	-
Start	1	End	1663
Name	OJ990612_32.9A01.C12.o1.gs	Method	GENSCAN
Start	881	End	1611
GI	none	Score	.71
Exons	881..1091, 1122..1611		

Seq. No.	4838	Seq. ID	OJ990612_32.9A01.C12
Gene No.	10104	Strand	-
Start	1	End	1663
Name	OJ990612_32.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	905	End	1653
GI	none	Score	52
Exons	905..997, 906..971, 986..1066, 1002..1067, 1071..1151, 1079..1219, 1080..1220, 1167..1262, 1199..1258, 1265..1309, 1270..1305, 1304..1651, 1320..1640, 1336..1653		

Seq. No.	4839	Seq. ID	OJ990612_32.9A01.C14
Gene No.	10105	Strand	+
Start	1	End	797
Name	OJ990612_32.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	797
GI	5852182	Score	398
Exons	1..41, 468..797		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	4840	Seq. ID	OJ990612_32.9A01.C17
Gene No.	10106	Strand	+
Start	476	End	738
Name	OJ990612_32.9A01.C17.o1.np	Method	AAT/NAP
Start	476	End	738
GI	2498930	Score	83
Exons	476..539, 706..738		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4840	Seq. ID	OJ990612_32.9A01.C17
Gene No.	10106	Strand	+
Start	476	End	738
Name	OJ990612_32.9A01.C17.o1.gs	Method	GENSCAN
Start	480	End	539
GI	none	Score	.94
Exons	480..539		

Seq. No.	4841	Seq. ID	OJ990502_24.9A08.C2
Gene No.	10107	Strand	+
Start	475	End	628
Name	OJ990502_24.9A08.C2.o1.np	Method	AAT/NAP
Start	475	End	628
GI	2498930	Score	45
Exons	475..628		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4841	Seq. ID	OJ990502_24.9A08.C2
Gene No.	10107	Strand	+

Start	475	End	628
Name	OJ990502_24.9A08.C2.o1.gs	Method	GENSCAN
Start	479	End	538
GI	none	Score	.94
Exons	479..538		

Seq. No.	4842	Seq. ID	OJ990502_24.9A08.C3
Gene No.	10108	Strand	+
Start	441	End	778
Name	OJ990502_24.9A08.C3.o1.gs	Method	GENSCAN
Start	441	End	778
GI	none	Score	.54
Exons	441..530, 602..778		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10109	Strand	+
Start	545	End	4239
Name	OJ990502_24.9A08.C5.o1.gs	Method	GENSCAN
Start	545	End	4239
GI	none	Score	.49
Exons	545..699, 720..857, 1960..2116, 3671..4089, 4101..4239		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10109	Strand	+
Start	545	End	4239
Name	OJ990502_24.9A08.C5.o1.gp	Method	AAT/GAP
Start	647	End	1184
GI	uC-osflcyp162a07a1	Score	483
Exons	647..675, 792..857, 957..1184		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10110	Strand	+
Start	9342	End	9502
Name	OJ990502_24.9A08.C5.o3.gp	Method	AAT/GAP
Start	9342	End	9502
GI	LIB3433-026-P1-K1-C1	Score	235
Exons	9342..9502		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10111	Strand	-
Start	10	End	9487
Name	OJ990502_24.9A08.C5.o1.np	Method	AAT/NAP
Start	10	End	4659
GI	5852178	Score	486
Exons	10..105, 469..572, 3991..4243, 4609..4659		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10111	Strand	-
Start	10	End	9487
Name	OJ990502_24.9A08.C5.o2.np	Method	AAT/NAP
Start	2332	End	8207
GI	4680179	Score	1451

Exons	2332..2375, 5917..6593, 6621..7550, 8102..8207		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10111	Strand	-
Start	10	End	9487
Name	OJ990502_24.9A08.C5.o2.gs	Method	GENSCAN
Start	5476	End	7616
GI	none	Score	.51
Exons	5476..5532, 5958..7616		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10111	Strand	-
Start	10	End	9487
Name	OJ990502_24.9A08.C5.o3.np	Method	AAT/NAP
Start	7904	End	8703
GI	4512231	Score	1150
Exons	7904..8703		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10111	Strand	-
Start	10	End	9487
Name	OJ990502_24.9A08.C5.o3.gs	Method	GENSCAN
Start	7906	End	9487
GI	none	Score	.99
Exons	7906..8703, 9479..9487		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10112	Strand	-
Start	9889	End	10042
Name	OJ990502_24.9A08.C5.o1.tw	Method	TBLASTX:Wheat
Start	793	End	7199
GI	none	Score	58
Exons	793..879, 6858..7199, 6953..7084, 6954..7112		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10112	Strand	-
Start	9889	End	10042
Name	OJ990502_24.9A08.C5.o3.tw	Method	TBLASTX:Wheat
Start	931	End	7449
GI	none	Score	79
Exons	931..1131, 931..1113, 932..1132, 7251..7433, 7252..7449		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10112	Strand	-
Start	9889	End	10042
Name	OJ990502_24.9A08.C5.o2.tw	Method	TBLASTX:Wheat
Start	6162	End	6515
GI	none	Score	260
Exons	6162..6515		
Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10112	Strand	-
Start	9889	End	10042
Name	OJ990502_24.9A08.C5.o1.tm	Method	TBLASTX:Maize
Start	6861	End	7175

GI	none	Score	227
Exons	6861..7175		

Seq. No.	4843	Seq. ID	OJ990502_24.9A08.C5
Gene No.	10112	Strand	-
Start	9889	End	10042
Name	OJ990502_24.9A08.C5.o4.np	Method	AAT/NAP
Start	9889	End	10042
GI	6063554	Score	169
Exons	9889..10042		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4844	Seq. ID	OJ990502_24.9A08.C6
Gene No.	10113	Strand	+
Start	1	End	316
Name	OJ990502_24.9A08.C6.o1.np	Method	AAT/NAP
Start	1	End	316
GI	4680180	Score	137
Exons	1..316		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10114	Strand	+
Start	1	End	17456
Name	OJ990502_24.9A08.C8.o3.np	Method	AAT/NAP
Start	1	End	17456
GI	4680183	Score	129
Exons	1..85, 17021..17087, 17367..17456		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10114	Strand	+
Start	1	End	17456
Name	OJ990502_24.9A08.C8.o2.np	Method	AAT/NAP
Start	1	End	8132
GI	81286	Score	192
Exons	1..28, 5948..6232, 7405..7626, 7706..7838, 7963..8132		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10114	Strand	+
Start	1	End	17456
Name	OJ990502_24.9A08.C8.o2.gs	Method	GENSCAN
Start	3840	End	17204
GI	none	Score	.48
Exons	3840..3920, 4447..4543, 5208..5327, 5903..6317, 6476..6799, 7644..7991, 8536..8621, 10041..10278, 13906..14001, 14318..14355, 14565..14652, 15933..15971, 16090..16195, 16214..16342, 16725..16789, 17099..17204		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10114	Strand	+
Start	1	End	17456
Name	OJ990502_24.9A08.C8.o1.gp	Method	AAT/GAP

Start	16606	End	16718
GI	uC-osf1cyp088b12b1	Score	158
Exons	16606..16718		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10115	Strand	+
Start	35220	End	35486
Name	OJ990502_24.9A08.C8.o3.gp	Method	AAT/GAP
Start	35220	End	35486
GI	40596_1.R1084	Score	430
Exons	35220..35486		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10116	Strand	+
Start	35842	End	37473
Name	OJ990502_24.9A08.C8.o5.np	Method	AAT/NAP
Start	35842	End	37473
GI	140506	Score	2614
Exons	35842..37473		
GI Descrip.	PROBABLE INTRON MATURASE gi|82531|pir||JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi|11959|emb|CAA34008| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi|226626|prf||1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10117	Strand	+
Start	37937	End	39117
Name	OJ990502_24.9A08.C8.o4.gp	Method	AAT/GAP
Start	37937	End	38390
GI	24570_1.R1084	Score	860
Exons	37937..38390		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10117	Strand	+
Start	37937	End	39117
Name	OJ990502_24.9A08.C8.o6.np	Method	AAT/NAP
Start	38001	End	39059
GI	131251	Score	1795
Exons	38001..39059		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi|72661|pir||FMRZ32 photosystem II protein D1 precursor - rice chloroplast gi|11958|emb|CAA34007| (X15901) PSII 32kDa protein [Oryza sativa] gi|343212 (M36191) Q-B protein (psbA) [Oryza sativa] gi|226249|prf||1503143A psbA gene [Oryza sativa] gi|226406|prf||1510376A quinone bind		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10117	Strand	+
Start	37937	End	39117
Name	OJ990502_24.9A08.C8.o5.gp	Method	AAT/GAP
Start	38754	End	39117
GI	5455469	Score	642
Exons	38754..39117		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10118	Strand	+
Start	46222	End	55007
Name	OJ990502_24.9A08.C8.o10.np	Method	AAT/NAP
Start	44932	End	54976
GI	3738312	Score	926
Exons	44932..45009, 46363..46433, 47245..47471, 48876..49006, 49570..49689, 52314..52424, 52949..53040, 53165..53249, 54623..54976		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10118	Strand	+
Start	46222	End	55007
Name	OJ990502_24.9A08.C8.o6.gs	Method	GENSCAN
Start	46222	End	47704
GI	none	Score	.47
Exons	46222..46433, 47653..47704		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10118	Strand	+
Start	46222	End	55007
Name	OJ990502_24.9A08.C8.o7.gs	Method	GENSCAN
Start	50033	End	54979
GI	none	Score	.59
Exons	50033..50122, 52314..52424, 52949..53040, 53165..53249, 54623..54979		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10118	Strand	+
Start	46222	End	55007
Name	OJ990502_24.9A08.C8.o7.gp	Method	AAT/GAP
Start	52376	End	55007
GI	48248_1.R1084	Score	1137
Exons	52376..52424, 52949..53040, 53165..53249, 54623..55007		
GI Descrip.	'3738312 6.0e-58 (AC005309) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o9.gs	Method	GENSCAN

Start	57520	End	65639
GI	none	Score	.56
Exons	57520..57610, 57875..58023, 58030..58118, 58204..58328, 59328..59656, 59838..60139, 61405..61438, 62201..62252, 62982..63067, 63080..63302, 63352..63706, 63885..64025, 64427..64546, 64774..65042, 65542..65639		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o11.np	Method	AAT/NAP
Start	57876	End	58149
GI	2208903	Score	179
Exons	57876..58149		
GI Descrip.	(AB004798) ascorbate oxidase [Arabidopsis thaliana]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o12.np	Method	AAT/NAP
Start	64270	End	69724
GI	4539660	Score	3361
Exons	64270..64296, 67016..69724		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o10.gs	Method	GENSCAN
Start	67106	End	70984
GI	none	Score	.43
Exons	67106..67531, 67724..68587, 68966..69220, 69494..69699, 70162..70288, 70405..70711, 70887..70984		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o17.np	Method	AAT/NAP
Start	70100	End	74398
GI	4115365	Score	360
Exons	70100..70119, 72641..73128, 73340..73931, 73994..74086, 74231..74398		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o15.np	Method	AAT/NAP
Start	70361	End	71702
GI	6063554	Score	172
Exons	70361..70687, 71528..71702		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8

Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o14.np	Method	AAT/NAP
Start	70474	End	70981
GI	5852178	Score	244
Exons	70474..70981		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o11.gs	Method	GENSCAN
Start	72386	End	74663
GI	none	Score	.68
Exons	72386..73457, 73591..73624, 74057..74663		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10119	Strand	+
Start	57520	End	74663
Name	OJ990502_24.9A08.C8.o16.np	Method	AAT/NAP
Start	72641	End	74368
GI	5902445	Score	881
Exons	72641..74368		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10120	Strand	+
Start	75746	End	77896
Name	OJ990502_24.9A08.C8.o19.np	Method	AAT/NAP
Start	75746	End	77896
GI	629693	Score	78
Exons	75746..75786, 77712..77896		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10120	Strand	+
Start	75746	End	77896
Name	OJ990502_24.9A08.C8.o12.gs	Method	GENSCAN
Start	76644	End	77009
GI	none	Score	.96
Exons	76644..77009		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10121	Strand	+
Start	82248	End	84356
Name	OJ990502_24.9A08.C8.o20.np	Method	AAT/NAP
Start	82248	End	84356
GI	5042463	Score	64
Exons	82248..82323, 83461..83661, 84321..84356		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10122	Strand	-
Start	1	End	3353
Name	OJ990502_24.9A08.C8.o1.np	Method	AAT/NAP
Start	1	End	3256

GI	5880683	Score	59
Exons	1..161, 1367..1525, 1609..1708, 2492..2573, 3065..3256		
GI Descrip.	(AF135454) telomerase reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10122	Strand	-
Start	1	End	3353
Name	OJ990502_24.9A08.C8.o1.gs	Method	GENSCAN
Start	235	End	3353
GI	none	Score	.54
Exons	235..396, 1346..1447, 1494..1525, 2802..2882, 2959..3020, 3221..3353		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10123	Strand	-
Start	14877	End	29014
Name	OJ990502_24.9A08.C8.o4.np	Method	AAT/NAP
Start	14877	End	24576
GI	6729029	Score	111
Exons	14877..14958, 20201..20299, 24500..24576		
GI Descrip.	(AC009177) putative branched-chain amino acid aminotransferase [Arabidopsis thaliana]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10123	Strand	-
Start	14877	End	29014
Name	OJ990502_24.9A08.C8.o3.gs	Method	GENSCAN
Start	18346	End	29014
GI	none	Score	.67
Exons	18346..18458, 18644..18794, 18867..19729, 21222..21282, 21635..21725, 22392..22602, 23290..23502, 24386..24479, 24500..24611, 25102..25201, 28852..29014		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10124	Strand	-
Start	39115	End	39694
Name	OJ990502_24.9A08.C8.o6.gp	Method	AAT/GAP
Start	39115	End	39549
GI	3073_1.R1084	Score	777
Exons	39115..39549		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10124	Strand	-
Start	39115	End	39694
Name	OJ990502_24.9A08.C8.o7.np	Method	AAT/NAP
Start	39170	End	39448
GI	1213601	Score	455
Exons	39170..39448		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi|226648|prf||1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10124	Strand	-
Start	39115	End	39694
Name	OJ990502_24.9A08.C8.o8.np	Method	AAT/NAP
Start	39448	End	39694
GI	82538	Score	423
Exons	39448..39694		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10125	Strand	-
Start	39714	End	41535
Name	OJ990502_24.9A08.C8.o9.np	Method	AAT/NAP
Start	39714	End	41535
GI	1213600	Score	679
Exons	39714..40142, 41471..41535		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi|1213602|emb|CAA33928| (X15901) ribosomal protein L2 [Oryza sativa] gi|226679|prf||1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10126	Strand	-
Start	55277	End	57035
Name	OJ990502_24.9A08.C8.o8.gs	Method	GENSCAN
Start	55277	End	57035
GI	none	Score	.86
Exons	55277..55423, 55519..55687, 55749..55921, 56266..56318, 56873..57035		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10127	Strand	-
Start	69194	End	71453
Name	OJ990502_24.9A08.C8.o13.np	Method	AAT/NAP
Start	69194	End	71453
GI	5852179	Score	119
Exons	69194..69211, 70498..70864, 71433..71453		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10128	Strand	-
Start	72071	End	72259
Name	OJ990502_24.9A08.C8.o8.gp	Method	AAT/GAP
Start	72071	End	72259
GI	LIB3433-026-P1-K1-C1	Score	268
Exons	72071..72259		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o5.tc	Method	TBLASTX:Cress
Start	35210	End	35746

GI	none	Score	77
Exons	35210..35266, 35210..35281, 35211..35270, 35212..35283, 35257..35328, 35259..35348, 35261..35332, 35264..35350, 35265..35348, 35337..35378, 35337..35363, 35339..35377, 35403..35447, 35429..35542, 35454..35546, 35466..35552, 35470..35553, 35646..35681, 35647..35691, 35651..35692, 35654..35692, 35693..35734, 35694..35741, 35696..35746		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o10.tm	Method	TBLASTX:Maize
Start	35236	End	35494
GI	none	Score	54
Exons	35236..35265, 35238..35270, 35257..35379, 35261..35386, 35264..35383, 35265..35414, 35403..35474, 35405..35482, 35466..35489, 35471..35494		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o4.ts	Method	TBLASTX:Soybean
Start	35934	End	36481
GI	none	Score	51
Exons	35934..36065, 36081..36251, 36082..36204, 36203..36277, 36217..36270, 36284..36481, 36291..36467, 36322..36468		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o9.tc	Method	TBLASTX:Cress
Start	35934	End	36288
GI	none	Score	72
Exons	35934..36047, 35934..36047, 35935..36048, 35936..36049, 36077..36202, 36082..36210, 36084..36161, 36209..36277, 36223..36288		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o4.tc	Method	TBLASTX:Cress
Start	36294	End	36776
GI	none	Score	120
Exons	36294..36473, 36295..36486, 36299..36535, 36308..36517, 36310..36540, 36556..36615, 36557..36622, 36557..36625, 36620..36775, 36732..36776		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o4.tw	Method	TBLASTX:Wheat
Start	36356	End	36736
GI	none	Score	568
Exons	36356..36736, 36356..36733, 36358..36735		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-

Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o5.ts	Method	TBLASTX:Soybean
Start	36494	End	36951
GI	none	Score	117
Exons	36494..36697, 36544..36687, 36691..36810, 36702..36950, 36740..36949, 36766..36951, 36889..36951		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o9.tm	Method	TBLASTX:Maize
Start	36904	End	37160
GI	none	Score	147
Exons	36904..36999, 36906..37007, 36998..37156, 36999..37160, 37005..37157, 37006..37158		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o7.tw	Method	TBLASTX:Wheat
Start	37003	End	37409
GI	none	Score	46
Exons	37003..37029, 37004..37030, 37005..37031, 37025..37159, 37025..37156, 37026..37160, 37027..37176, 37172..37225, 37180..37401, 37186..37320, 37200..37403, 37299..37409		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o12.ts	Method	TBLASTX:Soybean
Start	37101	End	37464
GI	none	Score	63
Exons	37101..37160, 37186..37464, 37215..37460		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o2.tm	Method	TBLASTX:Maize
Start	37933	End	38468
GI	none	Score	865
Exons	37933..38460, 37938..38468, 37940..38467		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o2.ts	Method	TBLASTX:Soybean
Start	37933	End	38248
GI	none	Score	179
Exons	37933..38112, 37943..38248, 37944..38246, 37952..38248		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o1.tc	Method	TBLASTX:Cress
Start	37951	End	38624
GI	none	Score	42
Exons	37951..37992, 37952..37993, 37971..38393, 37989..38414,		

37991..38395, 38396..38587, 38397..38624

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o10.ts	Method	TBLASTX:Soybean
Start	38313	End	38678
GI	none	Score	252
Exons	38313..38678, 38472..38657		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o3.tc	Method	TBLASTX:Cress
Start	38712	End	39080
GI	none	Score	555
Exons	38712..39080, 38712..39062		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o4.tm	Method	TBLASTX:Maize
Start	39130	End	39566
GI	none	Score	329
Exons	39130..39351, 39133..39360, 39138..39467, 39155..39469, 39164..39430, 39171..39467, 39406..39468, 39428..39565, 39435..39566		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	39199	End	40590
GI	none	Score	176
Exons	39199..39351, 39203..39436, 39213..39437, 39429..39467, 39429..39473, 39715..40011, 39716..40006, 39720..40010, 39721..40017, 39952..40161, 39979..40200, 40002..40172, 40079..40183, 40157..40258, 40170..40262, 40170..40295, 40221..40466, 40256..40297, 40257..40298, 40298..40477, 40300..40491, 40301..40495, 40476..40589, 40477..40590		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o2.tc	Method	TBLASTX:Cress
Start	39338	End	40147
GI	none	Score	92
Exons	39338..39436, 39341..39430, 39429..39470, 39577..39627, 39578..39628, 39578..39655, 39579..39635, 39629..39658, 39630..39659, 39703..39888, 39720..39887, 39898..40146, 39902..40141, 39910..40146, 40079..40147		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	39748	End	40559

GI	none	Score	570
Exons	39748..40179, 39750..40199, 39772..40161, 40079..40177, 40145..40483, 40155..40484, 40160..40480, 40167..40484, 40207..40485, 40432..40485, 40476..40559, 40477..40542		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o6.tw	Method	TBLASTX:Wheat
Start	39887	End	40196
GI	none	Score	278
Exons	39887..40171, 39888..40058, 39889..40161, 39889..40179, 40079..40177, 40160..40195, 40167..40196		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o11.tw	Method	TBLASTX:Wheat
Start	41400	End	41717
GI	none	Score	150
Exons	41400..41594, 41439..41537, 41594..41716, 41595..41717		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o7.ts	Method	TBLASTX:Soybean
Start	46347	End	53032
GI	none	Score	102
Exons	46347..46424, 46363..46425, 47222..47455, 47263..47337, 47359..47460, 49568..49654, 49575..49646, 49588..49656, 52311..52427, 52313..52426, 52949..53032		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o6.tc	Method	TBLASTX:Cress
Start	46363	End	47460
GI	none	Score	93
Exons	46363..46425, 47216..47383, 47263..47337, 47362..47460, 47363..47455		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o12.tm	Method	TBLASTX:Maize
Start	49571	End	53213
GI	none	Score	94
Exons	49571..49645, 49572..49646, 49588..49647, 52310..52426, 52311..52427, 52909..53040, 52949..53038, 53163..53213, 53163..53213		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o8.ts	Method	TBLASTX:Soybean
Start	54620	End	54868
GI	none	Score	227

Exons	54620..54718, 54623..54823, 54709..54822, 54827..54868, 54832..54867		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o8.tc	Method	TBLASTX:Cress
Start	54680	End	54898
GI	none	Score	132
Exons	54680..54823, 54709..54795, 54820..54897, 54821..54898		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o8.tm	Method	TBLASTX:Maize
Start	54720	End	54979
GI	none	Score	48
Exons	54720..54794, 54730..54801, 54731..54817, 54820..54978, 54820..54972, 54821..54979		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o7.tc	Method	TBLASTX:Cress
Start	57903	End	58149
GI	none	Score	68
Exons	57903..58127, 57904..58149, 57954..58145		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o9.ts	Method	TBLASTX:Soybean
Start	57904	End	58149
GI	none	Score	259
Exons	57904..58149, 57948..58004, 58065..58145		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o11.tm	Method	TBLASTX:Maize
Start	67103	End	73060
GI	none	Score	88
Exons	67103..67246, 72842..73060, 72847..73059		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o13.ts	Method	TBLASTX:Soybean
Start	67103	End	72991
GI	none	Score	96
Exons	67103..67234, 72626..72850, 72637..72816, 72857..72991		
Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o5.tw	Method	TBLASTX:Wheat
Start	67103	End	73192

GI	none	Score	89
Exons	67103..67246, 72788..72844, 72793..72834, 72839..73192, 72847..73191		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o10.tw	Method	TBLASTX:Wheat
Start	67280	End	67462
GI	none	Score	217
Exons	67280..67462, 67288..67425, 67302..67445		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o5.tm	Method	TBLASTX:Maize
Start	67295	End	73521
GI	none	Score	102
Exons	67295..67426, 67508..67720, 73061..73519, 73061..73342, 73063..73521		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o3.ts	Method	TBLASTX:Soybean
Start	67343	End	73489
GI	none	Score	57
Exons	67343..67375, 67343..67402, 67344..67376, 67379..67432, 67381..67542, 67381..67422, 67443..67520, 67487..67738, 67495..67728, 73157..73489		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o8.tw	Method	TBLASTX:Wheat
Start	67465	End	73489
GI	none	Score	65
Exons	67465..67557, 67490..67753, 67492..67752, 73220..73489		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o3.tw	Method	TBLASTX:Wheat
Start	67754	End	73905
GI	none	Score	570
Exons	67754..68179, 67756..68172, 67871..68179, 73777..73905		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o6.tm	Method	TBLASTX:Maize
Start	67826	End	73902
GI	none	Score	447
Exons	67826..68179, 67831..68172, 73669..73902		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-

Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o2.tw	Method	TBLASTX:Wheat
Start	68210	End	68746
GI	none	Score	605
Exons	68210..68746, 68377..68742		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o6.ts	Method	TBLASTX:Soybean
Start	68534	End	68794
GI	none	Score	283
Exons	68534..68794, 68539..68793		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o7.tm	Method	TBLASTX:Maize
Start	68592	End	68884
GI	none	Score	83
Exons	68592..68777, 68592..68777, 68593..68880, 68594..68884		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	68753	End	74636
GI	none	Score	712
Exons	68753..69379, 68755..69258, 69319..69378, 74373..74636		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o3.tm	Method	TBLASTX:Maize
Start	68932	End	69511
GI	none	Score	223
Exons	68932..69087, 68933..69094, 69091..69255, 69092..69511, 69212..69496, 69319..69507		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o9.tw	Method	TBLASTX:Wheat
Start	69379	End	69712
GI	none	Score	294
Exons	69379..69660, 69380..69712		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o11.ts	Method	TBLASTX:Soybean
Start	73828	End	74237
GI	none	Score	110
Exons	73828..73953, 73830..73931, 73909..73965, 73995..74069, 73999..74070, 74067..74237		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8

Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o18.np	Method	AAT/NAP
Start	75593	End	79727
GI	6063554	Score	330
Exons	75593..75765, 76708..76966, 77085..77300, 79678..79727		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4845	Seq. ID	OJ990502_24.9A08.C8
Gene No.	10129	Strand	-
Start	75593	End	80859
Name	OJ990502_24.9A08.C8.o13.gs	Method	GENSCAN
Start	78407	End	80859
GI	none	Score	.64
Exons	78407..78940, 79022..79132, 79203..79262, 79335..79616, 79634..79759, 79795..80247, 80254..80419, 80501..80859		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10130	Strand	+
Start	687	End	1478
Name	OJ990502_24.9A08.C9.o1.gs	Method	GENSCAN
Start	687	End	1478
GI	none	Score	.89
Exons	687..1478		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10130	Strand	+
Start	687	End	1478
Name	OJ990502_24.9A08.C9.o1.np	Method	AAT/NAP
Start	687	End	1475
GI	4512231	Score	1278
Exons	687..1475		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o2.np	Method	AAT/NAP
Start	1697	End	6161
GI	4680179	Score	5696
Exons	1697..6161		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o2.gs	Method	GENSCAN
Start	1743	End	6164
GI	none	Score	.82
Exons	1743..6164		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o9.tw	Method	TBLASTX:Wheat

Start	1904	End	2102
GI	none	Score	215
Exons	1904..2101, 1905..2102		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o7.tw	Method	TBLASTX:Wheat
Start	2153	End	2504
GI	none	Score	312
Exons	2153..2326, 2154..2504, 2302..2370		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o6.tm	Method	TBLASTX:Maize
Start	2154	End	2459
GI	none	Score	247
Exons	2154..2459		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o8.tw	Method	TBLASTX:Wheat
Start	2838	End	3191
GI	none	Score	261
Exons	2838..3191, 3014..3154		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o7.tm	Method	TBLASTX:Maize
Start	3195	End	3388
GI	none	Score	188
Exons	3195..3386, 3233..3388		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o4.tw	Method	TBLASTX:Wheat
Start	3323	End	3806
GI	none	Score	531
Exons	3323..3631, 3324..3806, 3327..3803		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o4.ts	Method	TBLASTX:Soybean
Start	3360	End	3677
GI	none	Score	203
Exons	3360..3677		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o4.tm	Method	TBLASTX:Maize
Start	3389	End	3836

GI	none	Score	369
Exons	3389..3631, 3393..3836		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o1.ts	Method	TBLASTX:Soybean
Start	3747	End	4142
GI	none	Score	57
Exons	3747..3779, 3747..3779, 3783..3836, 3785..3826, 3891..4142, 3899..4132		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o5.tm	Method	TBLASTX:Maize
Start	3891	End	4223
GI	none	Score	310
Exons	3891..4223, 3944..4222		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o5.tw	Method	TBLASTX:Wheat
Start	3894	End	4157
GI	none	Score	373
Exons	3894..4157, 3896..4156		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o3.tw	Method	TBLASTX:Wheat
Start	4158	End	4583
GI	none	Score	589
Exons	4158..4583, 4160..4576		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o3.ts	Method	TBLASTX:Soybean
Start	4164	End	4412
GI	none	Score	207
Exons	4164..4412		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o2.tm	Method	TBLASTX:Maize
Start	4230	End	4583
GI	none	Score	454
Exons	4230..4583, 4235..4576		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o2.tw	Method	TBLASTX:Wheat
Start	4611	End	5150

GI	none	Score	634
Exons	4611..5150, 4793..5146		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	4848	End	5174
GI	none	Score	90
Exons	4848..5030, 5031..5174, 5033..5173		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o2.ts	Method	TBLASTX:Soybean
Start	4938	End	5198
GI	none	Score	301
Exons	4938..5198, 4949..5197		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o3.tm	Method	TBLASTX:Maize
Start	4997	End	5288
GI	none	Score	411
Exons	4997..5284, 4998..5288, 5130..5285		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	5157	End	5783
GI	none	Score	723
Exons	5157..5783, 5216..5662, 5217..5741, 5723..5782		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	5336	End	5921
GI	none	Score	229
Exons	5336..5491, 5337..5498, 5495..5659, 5496..5921, 5723..5920		

Seq. No.	4846	Seq. ID	OJ990502_24.9A08.C9
Gene No.	10131	Strand	+
Start	1743	End	6164
Name	OJ990502_24.9A08.C9.o6.tw	Method	TBLASTX:Wheat
Start	5783	End	6116
GI	none	Score	318
Exons	5783..6064, 5784..6116, 5949..6065		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o1.gs	Method	GENSCAN
Start	1186	End	1950
GI	none	Score	.9

Exons	1186..1950		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o1.np	Method	AAT/NAP
Start	1186	End	1947
GI	4512229	Score	1230
Exons	1186..1947		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o2.np	Method	AAT/NAP
Start	1622	End	9690
GI	4680179	Score	5607
Exons	1622..1738, 2312..3860, 6862..9690		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o2.gs	Method	GENSCAN
Start	2236	End	5074
GI	none	Score	.8
Exons	2236..3367, 3553..3674, 4465..4641, 4662..4843, 4897..5074		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o3.gs	Method	GENSCAN
Start	6901	End	9693
GI	none	Score	1
Exons	6901..9693		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10132	Strand	+
Start	1186	End	13813
Name	OJ990502_24.9A08.C10.o4.np	Method	AAT/NAP
Start	9574	End	13813
GI	6815052	Score	419
Exons	9574..9632, 13095..13258, 13340..13414, 13695..13813		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o9.tw	Method	TBLASTX:Wheat
Start	2434	End	2616
GI	none	Score	196
Exons	2434..2616, 2436..2615		
Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o6.tm	Method	TBLASTX:Maize

Start	2668	End	2967
GI	none	Score	238
Exons	2668..2967, 2694..2798, 2786..2824, 2886..2966		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o7.tw	Method	TBLASTX:Wheat
Start	2668	End	3012
GI	none	Score	313
Exons	2668..3012		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o8.tw	Method	TBLASTX:Wheat
Start	3495	End	3862
GI	none	Score	137
Exons	3495..3755, 3575..3664, 3759..3860, 3770..3862		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o4.tw	Method	TBLASTX:Wheat
Start	6861	End	7335
GI	none	Score	527
Exons	6861..7142, 6865..7335, 6964..7293		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o4.ts	Method	TBLASTX:Soybean
Start	6889	End	7203
GI	none	Score	196
Exons	6889..7203		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o4.tm	Method	TBLASTX:Maize
Start	6922	End	7365
GI	none	Score	373
Exons	6922..7365, 6994..7356		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o1.ts	Method	TBLASTX:Soybean
Start	7276	End	7671
GI	none	Score	57
Exons	7276..7308, 7276..7308, 7312..7392, 7314..7457, 7417..7614, 7420..7671, 7431..7661		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o6.tw	Method	TBLASTX:Wheat

Start	7411	End	7685
GI	none	Score	103
Exons	7411..7641, 7415..7627, 7423..7683, 7431..7685		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o5.tm	Method	TBLASTX:Maize
Start	7420	End	7757
GI	none	Score	307
Exons	7420..7752, 7473..7757		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o3.tw	Method	TBLASTX:Wheat
Start	7686	End	8112
GI	none	Score	598
Exons	7686..8105, 7687..8112, 7762..8112		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o3.ts	Method	TBLASTX:Soybean
Start	7696	End	7941
GI	none	Score	205
Exons	7696..7941		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o2.tm	Method	TBLASTX:Maize
Start	7759	End	8112
GI	none	Score	466
Exons	7759..8112, 7764..8027, 7765..8097, 8073..8105		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o2.tw	Method	TBLASTX:Wheat
Start	8143	End	8679
GI	none	Score	606
Exons	8143..8679, 8145..8678		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o2.ts	Method	TBLASTX:Soybean
Start	8467	End	8728
GI	none	Score	300
Exons	8467..8727, 8469..8726, 8491..8727, 8510..8728		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o3.tm	Method	TBLASTX:Maize
Start	8526	End	8817

GI	none	Score	402
Exons	8526..8813, 8527..8817		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o1.tw	Method	TBLASTX:Wheat
Start	8686	End	9312
GI	none	Score	724
Exons	8686..9312, 8688..9200, 8779..9306, 8885..9307, 9243..9311		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o1.tm	Method	TBLASTX:Maize
Start	8866	End	9450
GI	none	Score	230
Exons	8866..9027, 8872..9018, 8874..9029, 8874..9020, 9024..9326, 9025..9450, 9139..9327		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o5.tw	Method	TBLASTX:Wheat
Start	9312	End	9645
GI	none	Score	380
Exons	9312..9386, 9313..9645, 9316..9429, 9405..9452		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o7.tm	Method	TBLASTX:Maize
Start	9454	End	9700
GI	none	Score	181
Exons	9454..9666, 9484..9666, 9659..9700, 9668..9700		

Seq. No.	4847	Seq. ID	OJ990502_24.9A08.C10
Gene No.	10133	Strand	-
Start	10454	End	11937
Name	OJ990502_24.9A08.C10.o3.np	Method	AAT/NAP
Start	10454	End	11937
GI	5852180	Score	339
Exons	10454..10848, 11850..11937		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10134	Strand	+
Start	849	End	6502
Name	OJ990502_24.9A08.C11.o1.gs	Method	GENSCAN
Start	849	End	1206
GI	none	Score	.97
Exons	849..1206		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10134	Strand	+
Start	849	End	6502
Name	OJ990502_24.9A08.C11.o1.np	Method	AAT/NAP

Start	874	End	4373
GI	2129618	Score	189
Exons	874..1259, 4338..4373		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10134	Strand	+
Start	849	End	6502
Name	OJ990502_24.9A08.C11.o2.gs	Method	GENSCAN
Start	1715	End	6401
GI	none	Score	.41
Exons	1715..1909, 2067..2178, 2269..2496, 2906..2957, 4917..4962, 5111..6401		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10134	Strand	+
Start	849	End	6502
Name	OJ990502_24.9A08.C11.o3.np	Method	AAT/NAP
Start	5108	End	6502
GI	4680179	Score	1549
Exons	5108..6502		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10135	Strand	-
Start	1516	End	6502
Name	OJ990502_24.9A08.C11.o3.tw	Method	TBLASTX:Wheat
Start	1009	End	1224
GI	none	Score	174
Exons	1009..1224		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10135	Strand	-
Start	1516	End	6502
Name	OJ990502_24.9A08.C11.o2.np	Method	AAT/NAP
Start	1516	End	6502
GI	5295955	Score	697
Exons	1516..2080, 2120..2195, 2274..2690, 3371..3485, 4028..4120, 6421..6502		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10135	Strand	-
Start	1516	End	6502
Name	OJ990502_24.9A08.C11.o1.tw	Method	TBLASTX:Wheat
Start	5377	End	5740
GI	none	Score	298
Exons	5377..5481, 5381..5740, 5506..5739		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10135	Strand	-
Start	1516	End	6502
Name	OJ990502_24.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	5621	End	5917

GI	none	Score	199
Exons	5621..5917, 5638..5808		

Seq. No.	4848	Seq. ID	OJ990502_24.9A08.C11
Gene No.	10135	Strand	-
Start	1516	End	6502
Name	OJ990502_24.9A08.C11.o2.tw	Method	TBLASTX:Wheat
Start	6185	End	6421
GI	none	Score	65
Exons	6185..6250, 6257..6421, 6304..6399		

Seq. No.	4849	Seq. ID	OJ990422_25.9A03.C1
Gene No.	10136	Strand	-
Start	172	End	459
Name	OJ990422_25.9A03.C1.o1.gs	Method	GENSCAN
Start	172	End	459
GI	none	Score	.76
Exons	172..333, 415..459		

Seq. No.	4850	Seq. ID	OJ990422_25.9A03.C3
Gene No.	10137	Strand	+
Start	1	End	621
Name	OJ990422_25.9A03.C3.o1.np	Method	AAT/NAP
Start	1	End	621
GI	106322	Score	420
Exons	1..621		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	4851	Seq. ID	OJ990422_25.9A03.C4
Gene No.	10138	Strand	-
Start	66	End	236
Name	OJ990422_25.9A03.C4.o1.gs	Method	GENSCAN
Start	66	End	236
GI	none	Score	.66
Exons	66..236		

Seq. No.	4852	Seq. ID	OJ990422_25.9A03.C8
Gene No.	10139	Strand	+
Start	637	End	2386
Name	OJ990422_25.9A03.C8.o1.gs	Method	GENSCAN
Start	637	End	2248
GI	none	Score	.51
Exons	637..807, 1018..1453, 1493..1782, 1884..2248		

Seq. No.	4852	Seq. ID	OJ990422_25.9A03.C8
Gene No.	10139	Strand	+
Start	637	End	2386
Name	OJ990422_25.9A03.C8.o2.np	Method	AAT/NAP
Start	1420	End	2386
GI	4388825	Score	164
Exons	1420..1484, 1599..1696, 1799..2198, 2230..2386		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10140	Strand	+
Start	134	End	3623

Name	OJ990422_25.9A03.C9.o1.np	Method	AAT/NAP
Start	134	End	3623
GI	6721516	Score	468
Exons	134..380, 690..1031, 3453..3623		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o2.gs	Method	GENSCAN
Start	2255	End	5902
GI	none	Score	.62
Exons	2255..2812, 2894..3173, 3275..3411, 4019..4075, 5693..5902		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o1.tm	Method	TBLASTX:Maize
Start	4929	End	5677
GI	none	Score	92
Exons	4929..4958, 4990..5112, 4999..5112, 5001..5675, 5010..5114, 5015..5677		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o2.np	Method	AAT/NAP
Start	5012	End	5947
GI	6630685	Score	1281
Exons	5012..5947		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o1.ts	Method	TBLASTX:Soybean
Start	5027	End	5668
GI	none	Score	77
Exons	5027..5251, 5076..5243, 5285..5515, 5285..5668, 5292..5648		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o2.tw	Method	TBLASTX:Wheat
Start	5063	End	5395
GI	none	Score	51
Exons	5063..5251, 5076..5195, 5270..5395, 5274..5375		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o1.tw	Method	TBLASTX:Wheat
Start	5432	End	5863
GI	none	Score	93
Exons	5432..5689, 5702..5863		

Seq. No.	4853	Seq. ID	OJ990422_25.9A03.C9
Gene No.	10141	Strand	-
Start	2255	End	5947
Name	OJ990422_25.9A03.C9.o2.tm	Method	TBLASTX:Maize
Start	5678	End	5870
GI	none	Score	177
Exons	5678..5869, 5679..5870		

Seq. No.	4854	Seq. ID	OJ990422_25.9A03.C10
Gene No.	10142	Strand	+
Start	1	End	371
Name	OJ990422_25.9A03.C10.o1.np	Method	AAT/NAP
Start	1	End	324
GI	1184075	Score	251
Exons	1..324		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	4854	Seq. ID	OJ990422_25.9A03.C10
Gene No.	10142	Strand	+
Start	1	End	371
Name	OJ990422_25.9A03.C10.o1.tw	Method	TBLASTX:Wheat
Start	2	End	368
GI	none	Score	178
Exons	2..172, 3..302, 30..320, 135..368		

Seq. No.	4854	Seq. ID	OJ990422_25.9A03.C10
Gene No.	10142	Strand	+
Start	1	End	371
Name	OJ990422_25.9A03.C10.o1.tc	Method	TBLASTX:Cress
Start	3	End	368
GI	none	Score	211
Exons	3..317, 3..317, 3..314, 5..172, 5..109, 6..314, 6..323, 6..263, 6..317, 6..368, 6..320, 6..230, 8..316, 17..316, 18..368, 54..317, 135..317, 140..313, 161..316, 195..317, 213..350		

Seq. No.	4854	Seq. ID	OJ990422_25.9A03.C10
Gene No.	10142	Strand	+
Start	1	End	371
Name	OJ990422_25.9A03.C10.o1.ts	Method	TBLASTX:Soybean
Start	3	End	323
GI	none	Score	235
Exons	3..323, 6..101, 15..317, 54..248, 84..320		

Seq. No.	4854	Seq. ID	OJ990422_25.9A03.C10
Gene No.	10142	Strand	+
Start	1	End	371
Name	OJ990422_25.9A03.C10.o1.tm	Method	TBLASTX:Maize
Start	3	End	371
GI	none	Score	167
Exons	3..314, 3..317, 3..224, 6..317, 6..371, 6..317, 6..296, 8..328, 54..317, 135..368, 195..317		

Seq. No.	4855	Seq. ID	OJ990422_25.9A03.C11
Gene No.	10143	Strand	+
Start	693	End	1130
Name	OJ990422_25.9A03.C11.o1.gs	Method	GENSCAN

Start	693	End	1130
GI	none	Score	.95
Exons	693..1130		

Seq. No.	4856	Seq. ID	OJ990422_25.9A03.C12
Gene No.	10144	Strand	-
Start	1246	End	1449
Name	OJ990422_25.9A03.C12.o1.tm	Method	TBLASTX:Maize
Start	183	End	655
GI	none	Score	280
Exons	183..374, 184..459, 474..557, 488..655		

Seq. No.	4856	Seq. ID	OJ990422_25.9A03.C12
Gene No.	10144	Strand	-
Start	1246	End	1449
Name	OJ990422_25.9A03.C12.o1.gs	Method	GENSCAN
Start	1246	End	1449
GI	none	Score	.61
Exons	1246..1449		

Seq. No.	4857	Seq. ID	OJ990422_25.9A03.C13
Gene No.	10145	Strand	+
Start	866	End	933
Name	OJ990422_25.9A03.C13.o1.gs	Method	GENSCAN
Start	866	End	933
GI	none	Score	.95
Exons	866..933		

Seq. No.	4858	Seq. ID	OJ990422_25.9A03.C14
Gene No.	10146	Strand	-
Start	45	End	136
Name	OJ990422_25.9A03.C14.o1.gs	Method	GENSCAN
Start	45	End	136
GI	none	Score	.62
Exons	45..136		

Seq. No.	4859	Seq. ID	OJ990422_25.9A03.C16
Gene No.	10147	Strand	-
Start	461	End	842
Name	OJ990422_25.9A03.C16.o1.gs	Method	GENSCAN
Start	461	End	842
GI	none	Score	.43
Exons	461..504, 791..842		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10148	Strand	+
Start	4755	End	4898
Name	OJ990422_25.9A03.C17.o2.gs	Method	GENSCAN
Start	4755	End	4898
GI	none	Score	.63
Exons	4755..4823, 4857..4898		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10149	Strand	+
Start	7408	End	7761
Name	OJ990422_25.9A03.C17.o1.gp	Method	AAT/GAP
Start	7408	End	7761

GI	none	Score	700
Exons	7408..7761		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.gs	Method	GENSCAN
Start	71	End	4332
GI	none	Score	.74
Exons	71..120, 660..2820, 2939..3051, 3202..3569, 4067..4332		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.np	Method	AAT/NAP
Start	529	End	4084
GI	1091678	Score	642
Exons	529..1194, 1224..1272, 1334..2477, 4051..4084		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o3.ts	Method	TBLASTX:Soybean
Start	712	End	996
GI	none	Score	228
Exons	712..996		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o6.tm	Method	TBLASTX:Maize
Start	715	End	921
GI	none	Score	130
Exons	715..921, 716..919		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o8.tm	Method	TBLASTX:Maize
Start	1609	End	1893
GI	none	Score	211
Exons	1609..1893		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.tw	Method	TBLASTX:Wheat
Start	1624	End	1881
GI	none	Score	71
Exons	1624..1881, 1663..1881		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o3.tm	Method	TBLASTX:Maize
Start	1927	End	2316

GI	none	Score	148
Exons	1927..2316, 1936..2187, 2240..2314		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o9.tm	Method	TBLASTX:Maize
Start	4149	End	4766
GI	none	Score	64
Exons	4149..4241, 4156..4236, 4272..4406, 4273..4401, 4680..4766		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o2.np	Method	AAT/NAP
Start	4230	End	5942
GI	6822123	Score	315
Exons	4230..4400, 4680..4879, 5610..5666, 5801..5942		
GI Descrip.	(AJ251963) putative cytochrome B 561 [Craterostigma plantagineum]		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o3.gs	Method	GENSCAN
Start	5812	End	16774
GI	none	Score	.7
Exons	5812..6119, 7827..8106, 8155..8538, 8635..10410, 10486..10555, 12015..12183, 12287..12382, 12495..12683, 13121..14318, 14560..14690, 15381..15486, 16580..16774		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o3.np	Method	AAT/NAP
Start	8152	End	14459
GI	4938486	Score	3490
Exons	8152..8538, 8635..10410, 10486..10609, 12006..12138, 12287..12382, 12495..12683, 13121..13799, 13884..14098, 14135..14459		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o2.tm	Method	TBLASTX:Maize
Start	8168	End	8766
GI	none	Score	144
Exons	8168..8356, 8197..8394, 8291..8362, 8344..8538, 8356..8412, 8413..8538, 8417..8539, 8417..8539, 8632..8766, 8633..8764, 8668..8766		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.ts	Method	TBLASTX:Soybean
Start	8174	End	8842